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# CPU Benchmarks

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## CPU List

Below is an alphabetical list of all CPU types that appear in the charts. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you. Results for [Single CPU Systems](#) and [Multiple CPU Systems](#) are listed separately.

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**InSEKT**  
Instytut Systemów i Kształcenia Technicznego

 We współpracy z  
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## Single CPU Systems

Find CPU

| CPU Name               | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| 686 Gen                | 288                                     | 2065                      | NA                              | NA             |
| AMD A4 Micro-6400T APU | 1561                                    | 1297                      | NA                              | NA             |
| AMD A4 PRO-3340B       | 2759                                    | Insufficient data         | NA                              | NA             |
| AMD A4 PRO-7300B APU   | 2429                                    | 963                       | NA                              | NA             |
| AMD A4 PRO-7350B       | 2794                                    | Insufficient data         | NA                              | NA             |
| AMD A4-1200 APU        | 642                                     | 1744                      | NA                              | NA             |
| AMD A4-1250 APU        | 606                                     | 1758                      | NA                              | NA             |
| AMD A4-3300 APU        | 1532                                    | 1306                      | 18.62                           | \$82.33        |
| AMD A4-3300M APU       | 1202                                    | 1465                      | 60.10                           | \$20.00*       |
| AMD A4-3305M APU       | 1244                                    | 1449                      | NA                              | NA             |
| AMD A4-3310MX APU      | 1345                                    | 1387                      | NA                              | NA             |
| AMD A4-3320M APU       | 1255                                    | 1441                      | 35.88                           | \$35.00        |
| AMD A4-3330MX APU      | 1253                                    | 1442                      | NA                              | NA             |
| AMD A4-3400 APU        | 1596                                    | 1283                      | 32.44                           | \$49.21        |
| AMD A4-3420 APU        | 1690                                    | 1235                      | NA                              | NA             |
| AMD A4-4000 APU        | 1790                                    | 1188                      | 28.84                           | \$62.10        |
| AMD A4-4020 APU        | 1713                                    | 1218                      | 24.41                           | \$70.22        |
| AMD A4-4300M APU       | 1689                                    | 1236                      | 42.39                           | \$39.86        |
| AMD A4-4355M APU       | 1164                                    | 1481                      | NA                              | NA             |
| AMD A4-5000 APU        | 1894                                    | 1148                      | NA                              | NA             |
| AMD A4-5100 APU        | 2009                                    | 1108                      | NA                              | NA             |
| AMD A4-5150M APU       | 1826                                    | 1174                      | NA                              | NA             |
| AMD A4-5300 APU        | 2009                                    | 1107                      | 47.98                           | \$41.89        |
| AMD A4-5300B APU       | 1953                                    | 1127                      | 51.40                           | \$38.00*       |
| AMD A4-6210 APU        | 2112                                    | 1075                      | NA                              | NA             |
| AMD A4-6300 APU        | 2217                                    | 1037                      | 63.36                           | \$34.99        |
| AMD A4-6300B APU       | 1997                                    | 1113                      | 19.97                           | \$100.00*      |
| AMD A4-6320 APU        | 2367                                    | 981                       | 47.36                           | \$49.99*       |
| AMD A4-7210 APU        | 2501                                    | 942                       | NA                              | NA             |
| AMD A4-7300 APU        | 2204                                    | 1043                      | 55.13                           | \$39.99        |
| AMD A6 PRO-7050B APU   | 1670                                    | 1251                      | NA                              | NA             |
| AMD A6 PRO-7400B       | 2915                                    | 833                       | NA                              | NA             |
| AMD A6-1450 APU        | 1516                                    | 1311                      | NA                              | NA             |

| CPU Name                | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD A6-3400M APU        | 1925                                 | 1136                   | 56.64                        | \$34.00*    |
| AMD A6-3410MX APU       | 2097                                 | 1079                   | NA                           | NA          |
| AMD A6-3420M APU        | 2044                                 | 1092                   | NA                           | NA          |
| AMD A6-3430MX APU       | 2247                                 | 1023                   | NA                           | NA          |
| AMD A6-3500 APU         | 2026                                 | 1103                   | 50.68                        | \$39.99*    |
| AMD A6-3600 APU         | 2740                                 | 882                    | 39.18                        | \$69.95*    |
| AMD A6-3620 APU         | 2847                                 | 848                    | 47.47                        | \$59.99     |
| AMD A6-3650 APU         | 3199                                 | 759                    | 53.33                        | \$59.99*    |
| AMD A6-3670 APU         | 3242                                 | 746                    | 26.58                        | \$121.97    |
| AMD A6-4400M APU        | 1625                                 | 1267                   | NA                           | NA          |
| AMD A6-4455M APU        | 1285                                 | 1420                   | NA                           | NA          |
| AMD A6-5200 APU         | 2403                                 | 971                    | NA                           | NA          |
| AMD A6-5345M APU        | 1413                                 | 1353                   | NA                           | NA          |
| AMD A6-5350M APU        | 1905                                 | 1143                   | NA                           | NA          |
| AMD A6-5357M APU        | 1831                                 | 1171                   | NA                           | NA          |
| AMD A6-5400B APU        | 2160                                 | 1058                   | 20.56                        | \$105.04*   |
| AMD A6-5400K APU        | 2138                                 | 1065                   | 71.30                        | \$29.99     |
| CPU Name                | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD A6-6310 APU         | 2369                                 | 980                    | NA                           | NA          |
| AMD A6-6400B APU        | 2160                                 | 1057                   | NA                           | NA          |
| AMD A6-6400K APU        | 2283                                 | 1007                   | 42.30                        | \$53.99     |
| AMD A6-6420B APU        | 2612                                 | Insufficient data      | NA                           | NA          |
| AMD A6-6420K APU        | 2257                                 | 1016                   | 32.55                        | \$69.35*    |
| AMD A6-7000             | 1666                                 | 1253                   | NA                           | NA          |
| AMD A6-7310 APU         | 2593                                 | 915                    | NA                           | NA          |
| AMD A6-7400K APU        | 2849                                 | 847                    | 54.85                        | \$51.95     |
| AMD A6-7470K            | 2569                                 | 925                    | 37.01                        | \$69.42     |
| AMD A6-8500P            | 2241                                 | 1027                   | NA                           | NA          |
| AMD A6-8550             | 3104                                 | 781                    | NA                           | NA          |
| AMD A8 PRO-7150B APU    | 2854                                 | 846                    | NA                           | NA          |
| AMD A8 PRO-7600B APU    | 4924                                 | 443                    | NA                           | NA          |
| AMD A8-3500M APU        | 2000                                 | 1112                   | 51.28                        | \$39.00*    |
| AMD A8-3510MX APU       | 2421                                 | 966                    | NA                           | NA          |
| AMD A8-3520M APU        | 2214                                 | 1038                   | NA                           | NA          |
| AMD A8-3530MX APU       | 2392                                 | 973                    | NA                           | NA          |
| AMD A8-3550MX APU       | 2616                                 | 908                    | NA                           | NA          |
| AMD A8-3800 APU         | 3142                                 | 776                    | 20.07                        | \$156.59*   |
| AMD A8-3820 APU         | 3211                                 | 757                    | 40.15                        | \$79.99*    |
| AMD A8-3850 APU         | 3518                                 | 681                    | 24.49                        | \$143.69    |
| AMD A8-3870K APU        | 3609                                 | 660                    | 27.77                        | \$129.98    |
| AMD A8-4500M APU        | 2659                                 | 895                    | NA                           | NA          |
| AMD A8-4555M APU        | 2106                                 | 1077                   | NA                           | NA          |
| AMD A8-5500 APU         | 3998                                 | 583                    | 16.22                        | \$246.47    |
| AMD A8-5500B APU        | 3788                                 | 619                    | NA                           | NA          |
| AMD A8-5545M APU        | 2579                                 | 920                    | NA                           | NA          |
| AMD A8-5550M APU        | 2998                                 | 809                    | NA                           | NA          |
| AMD A8-5557M APU        | 2936                                 | 828                    | NA                           | NA          |
| AMD A8-5600K APU        | 4320                                 | 528                    | 18.84                        | \$229.30    |
| AMD A8-6410 APU         | 2515                                 | 937                    | NA                           | NA          |
| AMD A8-6500 APU         | 4393                                 | 514                    | 13.52                        | \$324.87*   |
| AMD A8-6500B APU        | 4480                                 | 503                    | NA                           | NA          |
| AMD A8-6500T APU        | 3385                                 | 717                    | NA                           | NA          |
| AMD A8-6600K APU        | 4594                                 | 488                    | 28.36                        | \$161.99    |
| AMD A8-7050             | 2235                                 | 1031                   | NA                           | NA          |
| AMD A8-7100 APU         | 2835                                 | 853                    | NA                           | NA          |
| AMD A8-7200P            | 3424                                 | 710                    | NA                           | NA          |
| AMD A8-7410 APU         | 2582                                 | 919                    | NA                           | NA          |
| AMD A8-7600 APU         | 5197                                 | 412                    | 64.97                        | \$79.99     |
| AMD A8-7650K            | 5014                                 | 431                    | 55.72                        | \$89.99     |
| AMD A8-7670K            | 4844                                 | 454                    | 48.45                        | \$99.99     |
| AMD A8-8600P            | 3421                                 | 713                    | NA                           | NA          |
| AMD A8-8650             | 4770                                 | 462                    | NA                           | NA          |
| AMD A10 Micro-6700T APU | 1875                                 | 1160                   | NA                           | NA          |
| AMD A10 PRO-7350B APU   | 3303                                 | 732                    | NA                           | NA          |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD A10 PRO-7800B APU            | 5388                                 | 399                    | NA                           | NA          |
| AMD A10 PRO-7850B APU            | 5514                                 | 380                    | NA                           | NA          |
| AMD A10-4600M APU                | 3112                                 | 780                    | NA                           | NA          |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD A10-4655M APU                | 2571                                 | 924                    | NA                           | NA          |
| AMD A10-4657M APU                | 2906                                 | 836                    | NA                           | NA          |
| AMD A10-5700 APU                 | 4196                                 | 554                    | 16.07                        | \$261.13    |
| AMD A10-5745M APU                | 2774                                 | 872                    | NA                           | NA          |
| AMD A10-5750M APU                | 3369                                 | 720                    | NA                           | NA          |
| AMD A10-5757M APU                | 3084                                 | 784                    | NA                           | NA          |
| AMD A10-5800B APU                | 4612                                 | 487                    | NA                           | NA          |
| AMD A10-5800K APU                | 4637                                 | 478                    | 48.32                        | \$95.99     |
| AMD A10-6700 APU                 | 4617                                 | 485                    | 30.66                        | \$150.58    |
| AMD A10-6700T APU                | 3693                                 | 639                    | 26.38                        | \$139.99    |
| AMD A10-6790K APU                | 4639                                 | 477                    | 31.43                        | \$147.62    |
| AMD A10-6800B APU                | 4974                                 | 435                    | NA                           | NA          |
| AMD A10-6800K APU                | 4902                                 | 445                    | 43.01                        | \$114.00    |
| AMD A10-7300 APU                 | 3010                                 | 803                    | NA                           | NA          |
| AMD A10-7400P                    | 3774                                 | 620                    | NA                           | NA          |
| AMD A10-7700K APU                | 5220                                 | 410                    | 49.74                        | \$104.95    |
| AMD A10-7800 APU                 | 5183                                 | 414                    | 49.37                        | \$104.99*   |
| AMD A10-7850K APU                | 5560                                 | 377                    | 43.45                        | \$127.99    |
| AMD A10-7860K                    | 4902                                 | 446                    | 43.18                        | \$113.54    |
| AMD A10-7870K                    | 5583                                 | 374                    | 39.88                        | \$139.99    |
| AMD A10-7890K                    | 6010                                 | 335                    | 36.87                        | \$163.02    |
| AMD A10-8700P                    | 3584                                 | 665                    | NA                           | NA          |
| AMD A10-8750                     | 4889                                 | Insufficient data      | NA                           | NA          |
| AMD A10-8780P                    | 3458                                 | Insufficient data      | NA                           | NA          |
| AMD A10-9600P                    | 4214                                 | 550                    | NA                           | NA          |
| AMD Athlon64 X2 Dual Core 3800+  | 997                                  | 1574                   | NA                           | NA          |
| AMD Athlon64 X2 Dual Core 4200+  | 1006                                 | 1568                   | NA                           | NA          |
| AMD Athlon64 X2 Dual Core 4600+  | 1108                                 | 1510                   | NA                           | NA          |
| AMD Athlon 4                     | 279                                  | 2085                   | 5.39                         | \$51.95     |
| AMD Athlon 64 2000+              | 116                                  | Insufficient data      | NA                           | NA          |
| AMD Athlon 64 2200+              | 575                                  | 1777                   | NA                           | NA          |
| AMD Athlon 64 2600+              | 374                                  | Insufficient data      | NA                           | NA          |
| AMD Athlon 64 2800+              | 444                                  | 1879                   | 4.44                         | \$99.99*    |
| AMD Athlon 64 3000+              | 462                                  | 1859                   | 4.25                         | \$108.95*   |
| AMD Athlon 64 3200+              | 493                                  | 1831                   | 3.29                         | \$149.95*   |
| AMD Athlon 64 3300+              | 576                                  | 1775                   | NA                           | NA          |
| AMD Athlon 64 3400+              | 544                                  | 1791                   | NA                           | NA          |
| AMD Athlon 64 3500+              | 538                                  | 1796                   | 4.95                         | \$108.95*   |
| AMD Athlon 64 3600+              | 601                                  | 1762                   | NA                           | NA          |
| AMD Athlon 64 3700+              | 597                                  | 1763                   | 4.60                         | \$129.95*   |
| AMD Athlon 64 3800+              | 586                                  | 1768                   | 9.78                         | \$60.00     |
| AMD Athlon 64 4000+              | 618                                  | 1754                   | 3.13                         | \$197.95*   |
| AMD Athlon 64 FX-25              | 794                                  | 1680                   | NA                           | NA          |
| AMD Athlon 64 FX-34              | 380                                  | 1951                   | NA                           | NA          |
| AMD Athlon 64 FX-51              | 437                                  | 1887                   | NA                           | NA          |
| AMD Athlon 64 FX-53              | 646                                  | 1740                   | NA                           | NA          |
| AMD Athlon 64 FX-55              | 744                                  | 1697                   | 4.14                         | \$179.95    |
| AMD Athlon 64 FX-57              | 730                                  | 1702                   | NA                           | NA          |
| AMD Athlon 64 FX-59              | 715                                  | Insufficient data      | NA                           | NA          |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Athlon 64 FX-60 Dual Core    | 1303                                 | 1411                   | NA                           | NA          |
| AMD Athlon 64 FX-62 Dual Core    | 1552                                 | 1301                   | NA                           | NA          |
| AMD Athlon 64 FX-72              | 1794                                 | 1185                   | NA                           | NA          |
| AMD Athlon 64 FX-74              | 1495                                 | 1318                   | 2.99                         | \$499.50*   |
| AMD Athlon 64 X2 3800+           | 958                                  | 1599                   | NA                           | NA          |
| AMD Athlon 64 X2 4200+           | 1285                                 | 1419                   | 4.16                         | \$308.95*   |
| AMD Athlon 64 X2 4600+           | 1365                                 | 1373                   | 3.90                         | \$349.95*   |
| AMD Athlon 64 X2 Dual Core 3400+ | 1003                                 | 1570                   | NA                           | NA          |

| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Athlon 64 X2 Dual Core 3600+   | 971                                     | 1589                      | 16.20                           | \$60.00*       |
| AMD Athlon 64 X2 Dual Core 3800+   | 1007                                    | 1567                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core 4000+   | 1044                                    | 1546                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core 4200+   | 1100                                    | 1513                      | 5.35                            | \$205.64       |
| AMD Athlon 64 X2 Dual Core 4400+   | 1152                                    | 1491                      | 5.79                            | \$198.95       |
| AMD Athlon 64 X2 Dual Core 4600+   | 1223                                    | 1455                      | 29.84                           | \$41.00        |
| AMD Athlon 64 X2 Dual Core 4800+   | 1271                                    | 1431                      | 7.95                            | \$159.95       |
| AMD Athlon 64 X2 Dual Core 5000+   | 1319                                    | 1396                      | 3.98                            | \$331.49*      |
| AMD Athlon 64 X2 Dual Core 5200+   | 1385                                    | 1366                      | 26.10                           | \$53.09*       |
| AMD Athlon 64 X2 Dual Core 5400+   | 1450                                    | 1340                      | 27.37                           | \$52.99*       |
| AMD Athlon 64 X2 Dual Core 5600+   | 1478                                    | 1324                      | 9.86                            | \$149.95       |
| AMD Athlon 64 X2 Dual Core 5800+   | 1536                                    | 1305                      | 17.07                           | \$90.00*       |
| AMD Athlon 64 X2 Dual Core 6000+   | 1610                                    | 1274                      | 8.95                            | \$179.99       |
| AMD Athlon 64 X2 Dual Core 6400+   | 1796                                    | 1183                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core BE-230  | 1095                                    | 1518                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core BE-2300 | 1082                                    | 1531                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core BE-2350 | 1044                                    | 1547                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core TK-53   | 839                                     | 1663                      | 24.03                           | \$34.95*       |
| AMD Athlon 64 X2 Dual Core TK-55   | 854                                     | 1654                      | 14.80                           | \$57.74*       |
| AMD Athlon 64 X2 Dual Core TK-57   | 971                                     | 1591                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-42   | 863                                     | 1649                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-53   | 803                                     | 1677                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-55   | 882                                     | 1637                      | 11.49                           | \$76.78*       |
| AMD Athlon 64 X2 Dual-Core TK-57   | 926                                     | 1616                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-60             | 929                                     | 1613                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-62             | 1026                                    | 1559                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-64             | 978                                     | 1584                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-65             | 1034                                    | 1552                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-66             | 955                                     | 1601                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-67             | 1144                                    | 1497                      | NA                              | NA             |
| AMD Athlon 64 X2 TK-55             | 955                                     | 1602                      | NA                              | NA             |
| AMD Athlon 64 X2 TK-57             | 988                                     | 1577                      | NA                              | NA             |
| AMD Athlon 1500+                   | 294                                     | 2055                      | NA                              | NA             |
| AMD Athlon 1640B                   | 668                                     | 1732                      | 13.36                           | \$50.00*       |
| AMD Athlon 1700+                   | 349                                     | 1988                      | NA                              | NA             |
| AMD Athlon 2000+                   | 390                                     | 1944                      | NA                              | NA             |
| AMD Athlon 2100+                   | 412                                     | 1910                      | NA                              | NA             |
| AMD Athlon 2200+                   | 363                                     | 1974                      | 4.55                            | \$79.99*       |
| AMD Athlon 2400+                   | 462                                     | 1860                      | NA                              | NA             |
| AMD Athlon 2500+                   | 374                                     | 1956                      | 6.46                            | \$58.00        |
| AMD Athlon 2600+                   | 444                                     | 1880                      | 4.23                            | \$104.95*      |
| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon 2650e                   | 406                                     | 1918                      | 21.39                           | \$19.00*       |
| AMD Athlon 2800+                   | 447                                     | 1875                      | 8.96                            | \$49.99*       |
| AMD Athlon 2850e                   | 510                                     | 1820                      | NA                              | NA             |
| AMD Athlon 3100+                   | 485                                     | 1839                      | NA                              | NA             |
| AMD Athlon 3200+                   | 458                                     | 1863                      | 4.20                            | \$108.95*      |
| AMD Athlon 5000 Dual-Core          | 1273                                    | 1428                      | 25.46                           | \$50.00*       |
| AMD Athlon 5150 APU with Radeon R3 | 2054                                    | 1089                      | 57.11                           | \$35.98        |
| AMD Athlon 5200 Dual-Core          | 1225                                    | 1453                      | 13.57                           | \$90.33*       |
| AMD Athlon 5350 APU with Radeon R3 | 2565                                    | 926                       | 59.94                           | \$42.80        |
| AMD Athlon 5370 APU                | 2951                                    | 822                       | 55.18                           | \$53.48        |
| AMD Athlon 7450 Dual-Core          | 1450                                    | 1339                      | NA                              | NA             |
| AMD Athlon 7550 Dual-Core          | 1456                                    | 1337                      | 24.27                           | \$60.00*       |
| AMD Athlon 7750 Dual-Core          | 1578                                    | 1289                      | 17.54                           | \$89.99*       |
| AMD Athlon 7850 Dual-Core          | 1704                                    | 1224                      | 8.13                            | \$209.65       |
| AMD Athlon 7850 Dual-Core 2.8G     | 288                                     | 2070                      | NA                              | NA             |
| AMD Athlon Dual Core 4050e         | 1096                                    | 1515                      | NA                              | NA             |
| AMD Athlon Dual Core 4450B         | 1193                                    | 1468                      | 70.22                           | \$17.00*       |
| AMD Athlon Dual Core 4450e         | 1094                                    | 1522                      | NA                              | NA             |
| AMD Athlon Dual Core 4850B         | 1471                                    | 1326                      | NA                              | NA             |
| AMD Athlon Dual Core 4850e         | 1314                                    | 1400                      | 33.71                           | \$39.00*       |
| AMD Athlon Dual Core 5000B         | 1293                                    | 1417                      | 13.61                           | \$95.00*       |
| AMD Athlon Dual Core 5050e         | 1352                                    | 1384                      | 22.53                           | \$60.00*       |

| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Athlon Dual Core 5200B       | 1359                                    | 1376                      | NA                              | NA             |
| AMD Athlon Dual Core 5400B       | 1420                                    | 1348                      | NA                              | NA             |
| AMD Athlon Dual Core 5600B       | 1304                                    | 1409                      | NA                              | NA             |
| AMD Athlon II 160u               | 552                                     | 1788                      | 18.41                           | \$29.99*       |
| AMD Athlon II 170u               | 628                                     | 1749                      | 32.24                           | \$19.49*       |
| AMD Athlon II Dual-Core M300     | 1127                                    | 1501                      | NA                              | NA             |
| AMD Athlon II Dual-Core M320     | 1148                                    | 1493                      | 38.29                           | \$30.00*       |
| AMD Athlon II Dual-Core M340     | 1055                                    | 1540                      | NA                              | NA             |
| AMD Athlon II N330 Dual-Core     | 1154                                    | 1489                      | NA                              | NA             |
| AMD Athlon II N350 Dual-Core     | 1225                                    | 1454                      | NA                              | NA             |
| AMD Athlon II N370 Dual-Core     | 1559                                    | 1298                      | NA                              | NA             |
| AMD Athlon II Neo K125           | 463                                     | 1858                      | NA                              | NA             |
| AMD Athlon II Neo K145           | 537                                     | 1797                      | NA                              | NA             |
| AMD Athlon II Neo K325 Dual-Core | 790                                     | 1682                      | 30.40                           | \$25.99*       |
| AMD Athlon II Neo K345 Dual-Core | 859                                     | 1651                      | NA                              | NA             |
| AMD Athlon II Neo N36L Dual-Core | 813                                     | 1673                      | NA                              | NA             |
| AMD Athlon II P320 Dual-Core     | 1217                                    | 1457                      | 81.17                           | \$15.00*       |
| AMD Athlon II P340 Dual-Core     | 1273                                    | 1427                      | 35.38                           | \$35.99*       |
| AMD Athlon II P360 Dual-Core     | 1333                                    | 1390                      | 70.18                           | \$19.00        |
| AMD Athlon II X2 210e            | 1376                                    | 1368                      | NA                              | NA             |
| AMD Athlon II X2 215             | 1588                                    | 1287                      | 35.30                           | \$45.00*       |
| AMD Athlon II X2 220             | 1637                                    | 1263                      | NA                              | NA             |
| AMD Athlon II X2 225             | 1526                                    | 1307                      | NA                              | NA             |
| AMD Athlon II X2 235e            | 1678                                    | 1245                      | 88.35                           | \$19.00*       |
| AMD Athlon II X2 240             | 1643                                    | 1261                      | 19.34                           | \$84.99*       |
| AMD Athlon II X2 240e            | 1722                                    | 1217                      | 61.52                           | \$27.99*       |
| AMD Athlon II X2 245             | 1691                                    | 1232                      | 29.18                           | \$57.99        |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon II X2 245e            | 1690                                    | 1233                      | 21.13                           | \$80.00*       |
| AMD Athlon II X2 250             | 1761                                    | 1200                      | 21.23                           | \$82.99        |
| AMD Athlon II X2 250e            | 1949                                    | 1129                      | 25.41                           | \$76.73*       |
| AMD Athlon II X2 250u            | 1021                                    | 1562                      | 22.71                           | \$45.00*       |
| AMD Athlon II X2 255             | 1842                                    | 1169                      | 30.72                           | \$59.98*       |
| AMD Athlon II X2 260             | 1895                                    | 1147                      | 39.49                           | \$48.00*       |
| AMD Athlon II X2 260u            | 1125                                    | 1502                      | 13.49                           | \$83.44*       |
| AMD Athlon II X2 265             | 1846                                    | 1168                      | 26.38                           | \$69.99*       |
| AMD Athlon II X2 270             | 1996                                    | 1114                      | 26.27                           | \$75.99*       |
| AMD Athlon II X2 270u            | 1350                                    | 1385                      | 19.96                           | \$67.67*       |
| AMD Athlon II X2 280             | 2177                                    | 1052                      | 21.78                           | \$99.99*       |
| AMD Athlon II X2 4300e           | 1464                                    | 1331                      | NA                              | NA             |
| AMD Athlon II X2 4400e           | 1637                                    | 1262                      | NA                              | NA             |
| AMD Athlon II X2 4450e           | 1504                                    | 1314                      | NA                              | NA             |
| AMD Athlon II X2 B22             | 1680                                    | 1242                      | 80.04                           | \$21.00*       |
| AMD Athlon II X2 B24             | 1849                                    | 1167                      | 43.02                           | \$43.00*       |
| AMD Athlon II X2 B26             | 1808                                    | 1177                      | 58.32                           | \$31.00        |
| AMD Athlon II X2 B28             | 2096                                    | 1081                      | 48.75                           | \$43.00*       |
| AMD Athlon II X3 400e            | 2042                                    | 1094                      | 19.01                           | \$107.43*      |
| AMD Athlon II X3 405e            | 2028                                    | 1101                      | 25.36                           | \$79.99*       |
| AMD Athlon II X3 415e            | 2246                                    | 1024                      | 29.95                           | \$75.00*       |
| AMD Athlon II X3 420e            | 2286                                    | 1005                      | 19.45                           | \$117.52*      |
| AMD Athlon II X3 425             | 2348                                    | 988                       | 55.97                           | \$41.96*       |
| AMD Athlon II X3 425e            | 2239                                    | 1028                      | NA                              | NA             |
| AMD Athlon II X3 435             | 2485                                    | 947                       | 15.54                           | \$159.95*      |
| AMD Athlon II X3 440             | 2578                                    | 921                       | 51.59                           | \$49.99*       |
| AMD Athlon II X3 445             | 2575                                    | 922                       | 28.31                           | \$91.00*       |
| AMD Athlon II X3 450             | 2630                                    | 904                       | 16.44                           | \$159.95       |
| AMD Athlon II X3 455             | 2808                                    | 862                       | 28.09                           | \$99.99*       |
| AMD Athlon II X3 460             | 2901                                    | 838                       | 18.14                           | \$159.95*      |
| AMD Athlon II X4 553             | 3814                                    | 615                       | NA                              | NA             |
| AMD Athlon II X4 555             | 3746                                    | 628                       | NA                              | NA             |
| AMD Athlon II X4 559             | 4178                                    | 556                       | NA                              | NA             |
| AMD Athlon II X4 600e            | 2417                                    | 968                       | 18.56                           | \$130.23*      |
| AMD Athlon II X4 605e            | 2752                                    | 880                       | 27.04                           | \$101.80*      |
| AMD Athlon II X4 610e            | 2823                                    | 857                       | 31.38                           | \$89.99*       |

| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Athlon II X4 615e             | 2885                                    | 842                       | 48.90                           | \$59.00*       |
| AMD Athlon II X4 620              | 2971                                    | 819                       | 27.02                           | \$109.99*      |
| AMD Athlon II X4 620e             | 2906                                    | 837                       | NA                              | NA             |
| AMD Athlon II X4 630              | 3177                                    | 765                       | 25.42                           | \$124.99*      |
| AMD Athlon II X4 631 Quad-Core    | 3169                                    | 767                       | 158.57                          | \$19.99*       |
| AMD Athlon II X4 635              | 3287                                    | 737                       | 27.40                           | \$119.99*      |
| AMD Athlon II X4 638 Quad-Core    | 3257                                    | 744                       | NA                              | NA             |
| AMD Athlon II X4 640              | 3353                                    | 722                       | 38.13                           | \$87.94        |
| AMD Athlon II X4 641 Quad-Core    | 3442                                    | 705                       | 11.13                           | \$309.18*      |
| AMD Athlon II X4 645              | 3515                                    | 682                       | 34.53                           | \$101.80*      |
| AMD Athlon II X4 650              | 3509                                    | 684                       | 21.07                           | \$166.60*      |
| AMD Athlon II X4 651 Quad-Core    | 3619                                    | 654                       | 20.33                           | \$178.04*      |
| AMD Athlon II X4 655              | 2880                                    | Insufficient data         | NA                              | NA             |
| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon II X4 6400e            | 2594                                    | 913                       | NA                              | NA             |
| AMD Athlon L110                   | 321                                     | 2015                      | NA                              | NA             |
| AMD Athlon LE-1600                | 567                                     | 1782                      | 27.01                           | \$21.00*       |
| AMD Athlon LE-1620                | 570                                     | 1780                      | 31.70                           | \$18.00*       |
| AMD Athlon LE-1640                | 623                                     | 1753                      | NA                              | NA             |
| AMD Athlon LE-1660                | 697                                     | 1719                      | NA                              | NA             |
| AMD Athlon MP                     | 230                                     | 2142                      | 4.20                            | \$54.95*       |
| AMD Athlon MP 1700+               | 339                                     | 1999                      | NA                              | NA             |
| AMD Athlon MP 2400+               | 436                                     | 1888                      | NA                              | NA             |
| AMD Athlon MP 2800+               | 497                                     | 1827                      | NA                              | NA             |
| AMD Athlon Neo MV-40              | 401                                     | 1929                      | NA                              | NA             |
| AMD Athlon Neo X2 Dual Core 6850e | 1028                                    | 1557                      | NA                              | NA             |
| AMD Athlon Neo X2 Dual Core L325  | 770                                     | 1688                      | NA                              | NA             |
| AMD Athlon Neo X2 Dual Core L335  | 810                                     | 1674                      | NA                              | NA             |
| AMD Athlon QI-46                  | 473                                     | 1851                      | NA                              | NA             |
| AMD Athlon TF-20                  | 420                                     | 1900                      | NA                              | NA             |
| AMD Athlon TF-36                  | 450                                     | 1872                      | NA                              | NA             |
| AMD Athlon X2 215                 | 1575                                    | 1292                      | NA                              | NA             |
| AMD Athlon X2 235e                | 1806                                    | 1178                      | NA                              | NA             |
| AMD Athlon X2 240                 | 1596                                    | 1284                      | NA                              | NA             |
| AMD Athlon X2 240e                | 1670                                    | 1250                      | NA                              | NA             |
| AMD Athlon X2 250                 | 1686                                    | 1238                      | NA                              | NA             |
| AMD Athlon X2 255                 | 1627                                    | 1266                      | NA                              | NA             |
| AMD Athlon X2 260                 | 1910                                    | 1140                      | NA                              | NA             |
| AMD Athlon X2 280                 | 2303                                    | Insufficient data         | 13.17                           | \$174.81*      |
| AMD Athlon X2 340 Dual Core       | 1896                                    | 1145                      | 37.32                           | \$50.83*       |
| AMD Athlon X2 370K Dual Core      | 2296                                    | 1000                      | NA                              | NA             |
| AMD Athlon X2 440                 | 1424                                    | 1347                      | NA                              | NA             |
| AMD Athlon X2 Dual Core 3250e     | 794                                     | 1681                      | NA                              | NA             |
| AMD Athlon X2 Dual Core 6850e     | 889                                     | 1633                      | NA                              | NA             |
| AMD Athlon X2 Dual Core BE-2300   | 967                                     | 1594                      | NA                              | NA             |
| AMD Athlon X2 Dual Core BE-2350   | 1085                                    | 1527                      | NA                              | NA             |
| AMD Athlon X2 Dual Core BE-2400   | 1211                                    | 1459                      | NA                              | NA             |
| AMD Athlon X2 Dual Core BE-2450   | 1251                                    | 1444                      | NA                              | NA             |
| AMD Athlon X2 Dual Core L310      | 652                                     | 1737                      | NA                              | NA             |
| AMD Athlon X2 Dual Core LS-5800   | 1009                                    | 1566                      | NA                              | NA             |
| AMD Athlon X3 425                 | 2255                                    | 1019                      | NA                              | NA             |
| AMD Athlon X3 435                 | 2574                                    | 923                       | 26.96                           | \$95.49*       |
| AMD Athlon X3 440                 | 2256                                    | 1017                      | 25.65                           | \$87.99*       |
| AMD Athlon X3 445                 | 2314                                    | 993                       | NA                              | NA             |
| AMD Athlon X3 450                 | 3064                                    | 791                       | 38.80                           | \$78.99*       |
| AMD Athlon X3 455                 | 2636                                    | 901                       | NA                              | NA             |
| AMD Athlon X4 605e                | 2505                                    | 940                       | NA                              | NA             |
| AMD Athlon X4 620                 | 2918                                    | 832                       | 34.75                           | \$83.99*       |
| AMD Athlon X4 635                 | 2891                                    | 839                       | 23.71                           | \$121.99*      |
| AMD Athlon X4 640                 | 3172                                    | 766                       | NA                              | NA             |
| AMD Athlon X4 645                 | 3595                                    | 662                       | NA                              | NA             |
| AMD Athlon X4 740 Quad Core       | 3949                                    | 590                       | 14.26                           | \$277.00*      |
| AMD Athlon X4 750 Quad Core       | 4492                                    | 500                       | NA                              | NA             |
| CPU Name                          |                                         |                           |                                 |                |

| CPU Name                                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| CPU Name                                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon X4 750K Quad Core                    | 4246                                    | 546                       | 55.16                           | \$76.99*       |
| AMD Athlon X4 760K Quad Core                    | 4563                                    | 495                       | 40.30                           | \$113.24*      |
| AMD Athlon X4 840                               | 5167                                    | 417                       | NA                              | NA             |
| AMD Athlon X4 845                               | 5548                                    | 379                       | 83.51                           | \$66.45        |
| AMD Athlon X4 860K                              | 5591                                    | 372                       | 74.56                           | \$74.99        |
| AMD Athlon X4 870K                              | 4723                                    | 468                       | 52.81                           | \$89.45        |
| AMD Athlon X4 880K                              | 5572                                    | 375                       | 59.20                           | \$94.12        |
| AMD Athlon XP1600+                              | 281                                     | 2081                      | NA                              | NA             |
| AMD Athlon XP1700+                              | 234                                     | 2138                      | NA                              | NA             |
| AMD Athlon XP1900+                              | 353                                     | 1985                      | NA                              | NA             |
| AMD Athlon XP2100+                              | 287                                     | 2073                      | NA                              | NA             |
| AMD Athlon XP2200+                              | 401                                     | 1928                      | NA                              | NA             |
| AMD Athlon XP2400+                              | 391                                     | 1942                      | NA                              | NA             |
| AMD Athlon XP 1500                              | 282                                     | 2080                      | NA                              | NA             |
| AMD Athlon XP 1500+                             | 256                                     | 2113                      | NA                              | NA             |
| AMD Athlon XP 1600+                             | 266                                     | 2100                      | NA                              | NA             |
| AMD Athlon XP 1700                              | 344                                     | 1994                      | NA                              | NA             |
| AMD Athlon XP 1700+                             | 272                                     | 2095                      | NA                              | NA             |
| AMD Athlon XP 1800+                             | 305                                     | 2038                      | 5.17                            | \$58.95*       |
| AMD Athlon XP 1900+                             | 304                                     | 2040                      | NA                              | NA             |
| AMD Athlon XP 2000+                             | 306                                     | 2035                      | 12.27                           | \$24.99*       |
| AMD Athlon XP 2100+                             | 340                                     | 1997                      | NA                              | NA             |
| AMD Athlon XP 2200+                             | 325                                     | 2012                      | 3.83                            | \$84.95*       |
| AMD Athlon XP 2300+                             | 464                                     | 1855                      | NA                              | NA             |
| AMD Athlon XP 2400+                             | 362                                     | 1976                      | 4.03                            | \$89.99*       |
| AMD Athlon XP 2500+                             | 354                                     | 1982                      | NA                              | NA             |
| AMD Athlon XP 2600+                             | 371                                     | 1960                      | 16.14                           | \$23.03*       |
| AMD Athlon XP 2700+                             | 389                                     | 1945                      | 4.59                            | \$84.79*       |
| AMD Athlon XP 2800+                             | 396                                     | 1937                      | NA                              | NA             |
| AMD Athlon XP 2900+                             | 459                                     | 1862                      | NA                              | NA             |
| AMD Athlon XP 3000+                             | 400                                     | 1930                      | 5.14                            | \$78.00        |
| AMD Athlon XP 3100+                             | 433                                     | 1892                      | NA                              | NA             |
| AMD Athlon XP 3200+                             | 432                                     | 1893                      | NA                              | NA             |
| AMD Athlon XP 3400+                             | 570                                     | 1781                      | NA                              | NA             |
| AMD Athlon XP Pro3+                             | 367                                     | 1966                      | NA                              | NA             |
| AMD Athlon XP-M                                 | 541                                     | 1794                      | 9.02                            | \$60.00*       |
| AMD C-30                                        | 310                                     | 2030                      | NA                              | NA             |
| AMD C-50                                        | 464                                     | 1854                      | NA                              | NA             |
| AMD C-60                                        | 454                                     | 1867                      | NA                              | NA             |
| AMD C-60 APU                                    | 545                                     | 1789                      | NA                              | NA             |
| AMD C-70 APU                                    | 571                                     | 1779                      | NA                              | NA             |
| AMD E1 Micro-6200T APU + AMD Radeon R2 Graphics | 960                                     | Insufficient data         | NA                              | NA             |
| AMD E1-1200 APU                                 | 675                                     | 1728                      | NA                              | NA             |
| AMD E1-1500 APU                                 | 691                                     | 1720                      | NA                              | NA             |
| AMD E1-2100 APU                                 | 625                                     | 1752                      | NA                              | NA             |
| AMD E1-2200 APU                                 | 767                                     | Insufficient data         | NA                              | NA             |
| AMD E1-2500 APU                                 | 882                                     | 1638                      | NA                              | NA             |
| AMD E1-6010 APU                                 | 834                                     | 1667                      | NA                              | NA             |
| AMD E1-6015 APU                                 | 887                                     | 1635                      | NA                              | NA             |
| CPU Name                                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD E2-1800 APU                                 | 828                                     | 1669                      | NA                              | NA             |
| AMD E2-2000 APU                                 | 855                                     | 1653                      | NA                              | NA             |
| AMD E2-3000 APU                                 | 1090                                    | 1525                      | NA                              | NA             |
| AMD E2-3000M APU                                | 1106                                    | 1511                      | 55.33                           | \$20.00*       |
| AMD E2-3200 APU                                 | 1465                                    | 1329                      | NA                              | NA             |
| AMD E2-3800 APU                                 | 1625                                    | 1268                      | NA                              | NA             |
| AMD E2-6110 APU with AMD Radeon R2 Graphics     | 1871                                    | 1162                      | NA                              | NA             |
| AMD E2-7110 APU                                 | 2036                                    | 1097                      | NA                              | NA             |
| AMD E-240                                       | 321                                     | 2016                      | NA                              | NA             |
| AMD E-300 APU                                   | 617                                     | 1755                      | NA                              | NA             |

| CPU Name                                     | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD E-350                                    | 753                                     | 1693                      | NA                              | NA             |
| AMD E-350 APU                                | 739                                     | 1700                      | NA                              | NA             |
| AMD E-350D APU                               | 720                                     | 1709                      | NA                              | NA             |
| AMD E-450 APU                                | 774                                     | 1685                      | NA                              | NA             |
| AMD Embedded R-Series RX-421BD               | 4628                                    | 482                       | NA                              | NA             |
| AMD FX-670K Quad-Core                        | 4433                                    | 507                       | NA                              | NA             |
| AMD FX-770K Quad-Core                        | 4942                                    | 440                       | NA                              | NA             |
| AMD FX-4100 Quad-Core                        | 4041                                    | 576                       | 19.50                           | \$207.28*      |
| AMD FX-4130 Quad-Core                        | 4159                                    | 560                       | 64.00                           | \$65.00        |
| AMD FX-4150 Quad-Core                        | 4577                                    | 493                       | NA                              | NA             |
| AMD FX-4170 Quad-Core                        | 4816                                    | 455                       | 33.54                           | \$143.61*      |
| AMD FX-4200 Quad-Core                        | 4189                                    | 555                       | 19.50                           | \$214.89       |
| AMD FX-4300 Quad-Core                        | 4633                                    | 480                       | 57.93                           | \$79.99        |
| AMD FX-4320                                  | 4998                                    | 433                       | NA                              | NA             |
| AMD FX-4330                                  | 5296                                    | 402                       | NA                              | NA             |
| AMD FX-4350 Quad-Core                        | 5237                                    | 408                       | 59.45                           | \$88.10        |
| AMD FX-6100 Six-Core                         | 5395                                    | 398                       | 59.96                           | \$89.99*       |
| AMD FX-6120 Six-Core                         | 5760                                    | 355                       | NA                              | NA             |
| AMD FX-6130 Six-Core                         | 6215                                    | 319                       | NA                              | NA             |
| AMD FX-6200 Six-Core                         | 6102                                    | 325                       | 49.21                           | \$124.00       |
| AMD FX-6300 Six-Core                         | 6341                                    | 313                       | 66.76                           | \$94.99        |
| AMD FX-6350 Six-Core                         | 6943                                    | 272                       | 54.89                           | \$126.50       |
| AMD FX-7500 APU                              | 3270                                    | 742                       | NA                              | NA             |
| AMD FX-7600P                                 | 4138                                    | 562                       | NA                              | NA             |
| AMD FX-7600P APU with AMD Radeon R7 Graphics | 4627                                    | Insufficient data         | NA                              | NA             |
| AMD FX-8100 Eight-Core                       | 6092                                    | 326                       | 42.91                           | \$142.00*      |
| AMD FX-8120 Eight-Core                       | 6575                                    | 294                       | 37.97                           | \$173.18*      |
| AMD FX-8140 Eight-Core                       | 5854                                    | 347                       | NA                              | NA             |
| AMD FX-8150 Eight-Core                       | 7622                                    | 230                       | 45.92                           | \$165.99*      |
| AMD FX-8300 Eight-Core                       | 7592                                    | 236                       | 63.27                           | \$119.99       |
| AMD FX-8310 Eight-Core                       | 7680                                    | 228                       | NA                              | NA             |
| AMD FX-8320 Eight-Core                       | 8015                                    | 212                       | 54.90                           | \$145.99       |
| AMD FX-8320E Eight-Core                      | 7456                                    | 242                       | 59.66                           | \$124.99       |
| AMD FX-8350 Eight-Core                       | 8946                                    | 169                       | 69.90                           | \$127.99       |
| AMD FX-8370 Eight-Core                       | 8926                                    | 172                       | 46.98                           | \$189.99       |
| AMD FX-8370E Eight-Core                      | 7727                                    | 226                       | 39.34                           | \$196.43       |
| AMD FX-8800P                                 | 4337                                    | 522                       | NA                              | NA             |
| AMD FX-9370 Eight-Core                       | 9518                                    | 131                       | 50.36                           | \$189.00       |
| AMD FX-9590 Eight-Core                       | 10264                                   | 93                        | 46.55                           | \$220.50       |
| CPU Name                                     | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD FX-B4150 Quad-Core                       | 4412                                    | Insufficient data         | NA                              | NA             |
| AMD G-T40E                                   | 529                                     | 1804                      | NA                              | NA             |
| AMD G-T40N                                   | 516                                     | 1812                      | NA                              | NA             |
| AMD G-T44R                                   | 227                                     | 2144                      | NA                              | NA             |
| AMD G-T48E                                   | 716                                     | 1713                      | NA                              | NA             |
| AMD G-T52R                                   | 303                                     | 2044                      | NA                              | NA             |
| AMD G-T56E                                   | 751                                     | 1694                      | NA                              | NA             |
| AMD G-T56N                                   | 796                                     | 1679                      | NA                              | NA             |
| AMD Geode NX                                 | 264                                     | 2102                      | NA                              | NA             |
| AMD Geode NX 1750                            | 291                                     | 2058                      | NA                              | NA             |
| AMD GX-210JA SOC                             | 401                                     | Insufficient data         | NA                              | NA             |
| AMD GX-217GA SOC                             | 1031                                    | 1554                      | NA                              | NA             |
| AMD GX-412HC                                 | 1462                                    | 1334                      | NA                              | NA             |
| AMD GX-415GA SOC                             | 2025                                    | 1104                      | NA                              | NA             |
| AMD GX-420CA SOC                             | 2367                                    | 982                       | NA                              | NA             |
| AMD GX-424CC SOC with Radeon R5E Graphics    | 2356                                    | 984                       | NA                              | NA             |
| AMD K7                                       | 403                                     | 1921                      | NA                              | NA             |
| AMD Opteron 140                              | 396                                     | 1936                      | NA                              | NA             |
| AMD Opteron 142                              | 428                                     | 1896                      | NA                              | NA             |
| AMD Opteron 144                              | 511                                     | 1819                      | 7.87                            | \$65.00*       |
| AMD Opteron 146                              | 532                                     | 1803                      | 8.87                            | \$59.99*       |
| AMD Opteron 148                              | 603                                     | 1761                      | NA                              | NA             |



| CPU Name            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Opteron 150     | 604                                  | 1759                   | NA                           | NA          |
| AMD Opteron 152     | 658                                  | 1735                   | NA                           | NA          |
| AMD Opteron 154     | 703                                  | 1717                   | NA                           | NA          |
| AMD Opteron 165     | 899                                  | 1629                   | 20.44                        | \$43.99     |
| AMD Opteron 170     | 1097                                 | 1514                   | NA                           | NA          |
| AMD Opteron 175     | 1175                                 | 1475                   | NA                           | NA          |
| AMD Opteron 180     | 1245                                 | 1448                   | 10.38                        | \$120.00*   |
| AMD Opteron 185     | 1359                                 | 1377                   | NA                           | NA          |
| AMD Opteron 246     | 632                                  | 1748                   | 5.80                         | \$108.95*   |
| AMD Opteron 248     | 476                                  | 1849                   | NA                           | NA          |
| AMD Opteron 250     | 649                                  | 1738                   | 7.49                         | \$86.67*    |
| AMD Opteron 252     | 760                                  | 1690                   | 11.87                        | \$64.03     |
| AMD Opteron 254     | 693                                  | Insufficient data      | NA                           | NA          |
| AMD Opteron 256     | 963                                  | 1597                   | NA                           | NA          |
| AMD Opteron 265     | 963                                  | 1598                   | 6.02                         | \$159.95*   |
| AMD Opteron 270     | 1083                                 | 1529                   | 1.78                         | \$609.96    |
| AMD Opteron 275     | 1291                                 | 1418                   | 19.87                        | \$64.99     |
| AMD Opteron 280     | 1272                                 | 1429                   | 1.70                         | \$748.66    |
| AMD Opteron 285     | 1470                                 | 1327                   | NA                           | NA          |
| AMD Opteron 290     | 1464                                 | 1330                   | 10.85                        | \$135.00*   |
| AMD Opteron 1210    | 923                                  | 1617                   | NA                           | NA          |
| AMD Opteron 1210 HE | 971                                  | 1590                   | NA                           | NA          |
| AMD Opteron 1212    | 1015                                 | 1563                   | 3.50                         | \$290.00*   |
| AMD Opteron 1212 HE | 1308                                 | 1406                   | NA                           | NA          |
| AMD Opteron 1214    | 1276                                 | 1425                   | 4.40                         | \$290.00*   |
| AMD Opteron 1214 HE | 1299                                 | 1412                   | NA                           | NA          |
| AMD Opteron 1216    | 1352                                 | 1383                   | 24.66                        | \$54.85*    |
| CPU Name            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Opteron 1216 HE | 1172                                 | 1477                   | NA                           | NA          |
| AMD Opteron 1218    | 1468                                 | 1328                   | NA                           | NA          |
| AMD Opteron 1218 HE | 1444                                 | 1342                   | NA                           | NA          |
| AMD Opteron 1220    | 1612                                 | 1273                   | NA                           | NA          |
| AMD Opteron 1222    | 1757                                 | 1203                   | NA                           | NA          |
| AMD Opteron 1352    | 2459                                 | 954                    | 18.09                        | \$135.99*   |
| AMD Opteron 1354    | 2622                                 | 906                    | 8.46                         | \$309.97*   |
| AMD Opteron 1356    | 2765                                 | 875                    | 30.73                        | \$89.99     |
| AMD Opteron 1381    | 3065                                 | 790                    | NA                           | NA          |
| AMD Opteron 2212    | 1270                                 | 1432                   | 97.74                        | \$13.00     |
| AMD Opteron 2214    | 1358                                 | 1378                   | 2.39                         | \$569.00*   |
| AMD Opteron 2214 HE | 1415                                 | 1351                   | NA                           | NA          |
| AMD Opteron 2216    | 1518                                 | 1310                   | 5.36                         | \$283.00*   |
| AMD Opteron 2218    | 1594                                 | 1285                   | 24.90                        | \$64.03     |
| AMD Opteron 2220    | 1677                                 | 1246                   | 39.02                        | \$43.00     |
| AMD Opteron 2220 SE | 1609                                 | 1275                   | NA                           | NA          |
| AMD Opteron 2224 SE | 1919                                 | 1138                   | NA                           | NA          |
| AMD Opteron 2350    | 2820                                 | 858                    | 10.45                        | \$269.99*   |
| AMD Opteron 2356    | 2814                                 | 860                    | 39.23                        | \$71.74     |
| AMD Opteron 2374 HE | 2951                                 | 823                    | 15.53                        | \$189.99*   |
| AMD Opteron 2376    | 2283                                 | 1008                   | 41.51                        | \$55.00*    |
| AMD Opteron 2378    | 3179                                 | 764                    | 17.76                        | \$179.00*   |
| AMD Opteron 2380    | 2640                                 | 900                    | 165.06                       | \$16.00     |
| AMD Opteron 2384    | 3538                                 | Insufficient data      | NA                           | NA          |
| AMD Opteron 2386 SE | 3538                                 | 675                    | NA                           | NA          |
| AMD Opteron 2393 SE | 2246                                 | Insufficient data      | NA                           | NA          |
| AMD Opteron 2427    | 3069                                 | Insufficient data      | 26.88                        | \$114.19    |
| AMD Opteron 2431    | 4516                                 | Insufficient data      | 24.41                        | \$185.00*   |
| AMD Opteron 2435    | 4708                                 | Insufficient data      | 39.11                        | \$120.40*   |
| AMD Opteron 3260 HE | 3259                                 | Insufficient data      | NA                           | NA          |
| AMD Opteron 3280    | 5256                                 | 407                    | 19.24                        | \$273.18*   |
| AMD Opteron 3320 EE | 2532                                 | 931                    | NA                           | NA          |
| AMD Opteron 3350 HE | 4009                                 | 580                    | NA                           | NA          |
| AMD Opteron 3365    | 5646                                 | 369                    | NA                           | NA          |
| AMD Opteron 3380    | 6384                                 | 309                    | NA                           | NA          |
| AMD Opteron 4122    | 2942                                 | 826                    | 11.32                        | \$259.95    |

| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Opteron 4162 EE                 | 3166                                    | Insufficient data         | NA                              | NA             |
| AMD Opteron 4280                    | 6430                                    | Insufficient data         | 14.09                           | \$456.44*      |
| AMD Opteron 6128                    | 4742                                    | 466                       | 53.19                           | \$89.16        |
| AMD Opteron 6134                    | 2938                                    | 827                       | 4.93                            | \$595.95*      |
| AMD Opteron 6136                    | 4631                                    | Insufficient data         | 7.89                            | \$586.91       |
| AMD Opteron 6164 HE                 | 5351                                    | Insufficient data         | NA                              | NA             |
| AMD Opteron 6174                    | 6412                                    | 307                       | 86.29                           | \$74.32        |
| AMD Opteron 6212                    | 5776                                    | Insufficient data         | 14.09                           | \$409.99       |
| AMD Opteron 6234                    | 5979                                    | 336                       | 14.95                           | \$399.99*      |
| AMD Opteron 6238                    | 7316                                    | Insufficient data         | 6.72                            | \$1,088.11*    |
| AMD Opteron 6272                    | 6748                                    | 282                       | 20.77                           | \$325.00       |
| AMD Opteron 6274                    | 4865                                    | Insufficient data         | 5.56                            | \$874.95       |
| AMD Opteron 6276                    | 8971                                    | 168                       | 91.26                           | \$98.31        |
| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Opteron 6282 SE                 | 9116                                    | 156                       | 8.36                            | \$1,089.99*    |
| AMD Opteron 6287 SE                 | 9595                                    | Insufficient data         | NA                              | NA             |
| AMD Opteron 6328                    | 7813                                    | 220                       | 12.78                           | \$611.23       |
| AMD Opteron 6366 HE                 | 7503                                    | Insufficient data         | NA                              | NA             |
| AMD Opteron 6376                    | 9414                                    | 139                       | 13.45                           | \$699.99       |
| AMD Opteron 6378                    | 2152                                    | Insufficient data         | 2.50                            | \$859.99       |
| AMD Opteron 6380                    | 10082                                   | 99                        | 9.07                            | \$1,110.99     |
| AMD Opteron 8354                    | 2255                                    | 1018                      | 161.10                          | \$14.00        |
| AMD Phenom 2 X4 12000               | 3005                                    | 806                       | NA                              | NA             |
| AMD Phenom 7950 Quad-Core           | 2991                                    | 811                       | NA                              | NA             |
| AMD Phenom 8250 Triple-Core         | 1599                                    | 1280                      | NA                              | NA             |
| AMD Phenom 8250e Triple-Core        | 1579                                    | 1288                      | 33.60                           | \$46.99*       |
| AMD Phenom 8400 Triple-Core         | 1663                                    | 1255                      | NA                              | NA             |
| AMD Phenom 8450 Triple-Core         | 1893                                    | 1150                      | 37.14                           | \$50.99*       |
| AMD Phenom 8450e Triple-Core        | 2037                                    | 1096                      | NA                              | NA             |
| AMD Phenom 8600 Triple-Core         | 1693                                    | 1231                      | 31.95                           | \$52.99*       |
| AMD Phenom 8600B Triple-Core        | 1942                                    | 1132                      | 36.66                           | \$52.99*       |
| AMD Phenom 8650 Triple-Core         | 2023                                    | 1105                      | 40.49                           | \$49.99*       |
| AMD Phenom 8750 Triple-Core         | 2103                                    | 1078                      | NA                              | NA             |
| AMD Phenom 8750B Triple-Core        | 2077                                    | 1084                      | NA                              | NA             |
| AMD Phenom 8850 Triple-Core         | 2237                                    | 1029                      | NA                              | NA             |
| AMD Phenom 8850B Triple-Core        | 2080                                    | 1083                      | NA                              | NA             |
| AMD Phenom 9100e Quad-Core          | 1888                                    | 1154                      | 10.50                           | \$179.81*      |
| AMD Phenom 9150e Quad-Core          | 2138                                    | 1064                      | NA                              | NA             |
| AMD Phenom 9350e Quad-Core          | 2330                                    | 991                       | 11.95                           | \$194.99*      |
| AMD Phenom 9450e Quad-Core          | 2644                                    | 899                       | 25.19                           | \$105.00*      |
| AMD Phenom 9500 Quad-Core           | 2222                                    | 1036                      | 24.70                           | \$89.96*       |
| AMD Phenom 9550 Quad-Core           | 2557                                    | 930                       | 25.59                           | \$99.97*       |
| AMD Phenom 9600 Quad-Core           | 2322                                    | 992                       | 16.59                           | \$140.00*      |
| AMD Phenom 9600B Quad-Core          | 2592                                    | 916                       | 17.62                           | \$147.19*      |
| AMD Phenom 9650 Quad-Core           | 2658                                    | 896                       | 24.17                           | \$110.00*      |
| AMD Phenom 9750 Quad-Core           | 2833                                    | 854                       | 25.76                           | \$109.99*      |
| AMD Phenom 9750B Quad-Core          | 2760                                    | 877                       | NA                              | NA             |
| AMD Phenom 9850 Quad-Core           | 2910                                    | 834                       | 58.21                           | \$50.00*       |
| AMD Phenom 9850B Quad-Core          | 3160                                    | 773                       | NA                              | NA             |
| AMD Phenom 9950 Quad-Core           | 3052                                    | 794                       | 16.96                           | \$179.98*      |
| AMD Phenom FX-5000 Quad-Core        | 2508                                    | 938                       | NA                              | NA             |
| AMD Phenom FX-5200 Quad-Core        | 2948                                    | 824                       | NA                              | NA             |
| AMD Phenom FX-7750 Quad-Core        | 3616                                    | 656                       | NA                              | NA             |
| AMD Phenom II 42 TWKR Black Edition | 3489                                    | 690                       | NA                              | NA             |
| AMD Phenom II N620 Dual-Core        | 1681                                    | 1239                      | 42.19                           | \$39.86*       |
| AMD Phenom II N640 Dual-Core        | 1729                                    | 1211                      | NA                              | NA             |
| AMD Phenom II N660 Dual-Core        | 1855                                    | 1164                      | 20.84                           | \$89.00*       |
| AMD Phenom II N830 3+1              | 2652                                    | 897                       | NA                              | NA             |
| AMD Phenom II N830 Triple-Core      | 1888                                    | 1155                      | NA                              | NA             |
| AMD Phenom II N850 Triple-Core      | 1988                                    | 1115                      | 79.53                           | \$25.00*       |
| AMD Phenom II N870 Triple-Core      | 1965                                    | 1120                      | NA                              | NA             |
| AMD Phenom II N930 Quad-Core        | 2289                                    | 1002                      | 23.13                           | \$99.00*       |
| AMD Phenom II N950 Quad-Core        | 2503                                    | 941                       | 22.23                           | \$112.60*      |
| CPU Name                            |                                         |                           |                                 |                |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Phenom II N970 Quad-Core   | 2530                                 | 932                    | 16.87                        | \$149.99*   |
| AMD Phenom II P650 Dual-Core   | 1608                                 | 1276                   | 45.95                        | \$35.00*    |
| AMD Phenom II P820 Triple-Core | 1567                                 | 1293                   | NA                           | NA          |
| AMD Phenom II P840 Triple-Core | 1729                                 | 1212                   | NA                           | NA          |
| AMD Phenom II P860 Triple-Core | 1761                                 | 1201                   | NA                           | NA          |
| AMD Phenom II P920 Quad-Core   | 1887                                 | 1156                   | 104.89                       | \$18.00*    |
| AMD Phenom II P940 Quad-Core   | 1782                                 | 1190                   | NA                           | NA          |
| AMD Phenom II P960 Quad-Core   | 2096                                 | 1080                   | 74.87                        | \$28.00*    |
| AMD Phenom II X2 511           | 2113                                 | 1074                   | NA                           | NA          |
| AMD Phenom II X2 521           | 2154                                 | 1059                   | NA                           | NA          |
| AMD Phenom II X2 545           | 1893                                 | 1149                   | 19.73                        | \$95.99*    |
| AMD Phenom II X2 550           | 2043                                 | 1093                   | 20.44                        | \$99.99*    |
| AMD Phenom II X2 555           | 2054                                 | 1090                   | 6.85                         | \$299.95*   |
| AMD Phenom II X2 560           | 2075                                 | 1085                   | 18.75                        | \$110.69*   |
| AMD Phenom II X2 565           | 2188                                 | 1049                   | 11.72                        | \$186.80*   |
| AMD Phenom II X2 570           | 1927                                 | Insufficient data      | NA                           | NA          |
| AMD Phenom II X2 B53           | 1676                                 | 1248                   | NA                           | NA          |
| AMD Phenom II X2 B55           | 1959                                 | 1123                   | 40.82                        | \$48.00*    |
| AMD Phenom II X2 B57           | 1680                                 | 1243                   | NA                           | NA          |
| AMD Phenom II X2 B59           | 2165                                 | 1054                   | NA                           | NA          |
| AMD Phenom II X3 700e          | 2232                                 | 1033                   | NA                           | NA          |
| AMD Phenom II X3 705e          | 2244                                 | 1025                   | 14.74                        | \$152.34*   |
| AMD Phenom II X3 710           | 2456                                 | 957                    | 29.06                        | \$84.53*    |
| AMD Phenom II X3 715           | 2649                                 | 898                    | 31.17                        | \$84.99*    |
| AMD Phenom II X3 720           | 2703                                 | 888                    | 36.05                        | \$74.99*    |
| AMD Phenom II X3 740           | 3043                                 | 797                    | 34.20                        | \$88.99*    |
| AMD Phenom II X3 B73           | 2752                                 | 879                    | 36.71                        | \$75.00*    |
| AMD Phenom II X3 B75           | 3157                                 | 774                    | NA                           | NA          |
| AMD Phenom II X3 B77           | 3288                                 | 736                    | NA                           | NA          |
| AMD Phenom II X4 805           | 3018                                 | 802                    | 17.35                        | \$173.99*   |
| AMD Phenom II X4 810           | 3161                                 | 772                    | 27.26                        | \$115.99*   |
| AMD Phenom II X4 820           | 3449                                 | 703                    | 38.33                        | \$89.99*    |
| AMD Phenom II X4 830           | 3520                                 | 680                    | 54.18                        | \$64.98*    |
| AMD Phenom II X4 840           | 3552                                 | 670                    | 22.20                        | \$160.00*   |
| AMD Phenom II X4 840T          | 3652                                 | 644                    | NA                           | NA          |
| AMD Phenom II X4 850           | 3572                                 | 666                    | 32.05                        | \$111.49*   |
| AMD Phenom II X4 900e          | 2981                                 | 817                    | NA                           | NA          |
| AMD Phenom II X4 905e          | 3119                                 | 778                    | 16.04                        | \$194.46*   |
| AMD Phenom II X4 910           | 3294                                 | 733                    | 32.94                        | \$100.00*   |
| AMD Phenom II X4 910e          | 3405                                 | 714                    | 21.70                        | \$156.99*   |
| AMD Phenom II X4 920           | 3462                                 | 696                    | 24.73                        | \$140.00*   |
| AMD Phenom II X4 925           | 3480                                 | 693                    | 21.75                        | \$159.99*   |
| AMD Phenom II X4 940           | 3646                                 | 647                    | 34.73                        | \$104.99*   |
| AMD Phenom II X4 945           | 3725                                 | 633                    | 23.29                        | \$160.00*   |
| AMD Phenom II X4 955           | 3998                                 | 582                    | 33.33                        | \$119.99*   |
| AMD Phenom II X4 960T          | 3853                                 | 607                    | 32.17                        | \$119.78*   |
| AMD Phenom II X4 965           | 4249                                 | 543                    | 29.31                        | \$145.00*   |
| AMD Phenom II X4 970           | 4424                                 | 508                    | 35.40                        | \$124.99*   |
| AMD Phenom II X4 973           | 3818                                 | 612                    | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Phenom II X4 975           | 4582                                 | 490                    | 35.25                        | \$129.99*   |
| AMD Phenom II X4 980           | 4578                                 | 491                    | 33.51                        | \$136.64*   |
| AMD Phenom II X4 8700e         | 2377                                 | 979                    | NA                           | NA          |
| AMD Phenom II X4 B05e          | 2781                                 | 867                    | NA                           | NA          |
| AMD Phenom II X4 B15e          | 2736                                 | 883                    | NA                           | NA          |
| AMD Phenom II X4 B25           | 3542                                 | 673                    | NA                           | NA          |
| AMD Phenom II X4 B35           | 3459                                 | 699                    | NA                           | NA          |
| AMD Phenom II X4 B40           | 3428                                 | 708                    | NA                           | NA          |
| AMD Phenom II X4 B45           | 3529                                 | 677                    | NA                           | NA          |
| AMD Phenom II X4 B50           | 3744                                 | 629                    | NA                           | NA          |
| AMD Phenom II X4 B55           | 3921                                 | 598                    | NA                           | NA          |

| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Phenom II X4 B60                | 4124                                    | 565                       | NA                              | NA             |
| AMD Phenom II X4 B65                | 4247                                    | 545                       | NA                              | NA             |
| AMD Phenom II X4 B93                | 3424                                    | 711                       | NA                              | NA             |
| AMD Phenom II X4 B95                | 3858                                    | 606                       | 17.15                           | \$225.00*      |
| AMD Phenom II X4 B97                | 3987                                    | 585                       | NA                              | NA             |
| AMD Phenom II X4 B99                | 4206                                    | 552                       | NA                              | NA             |
| AMD Phenom II X6 1035T              | 4746                                    | 465                       | 25.11                           | \$189.00*      |
| AMD Phenom II X6 1045T              | 4888                                    | 449                       | 27.93                           | \$175.00*      |
| AMD Phenom II X6 1055T              | 5056                                    | 427                       | 27.33                           | \$185.00*      |
| AMD Phenom II X6 1065T              | 5174                                    | 415                       | NA                              | NA             |
| AMD Phenom II X6 1075T              | 5420                                    | 395                       | 20.85                           | \$259.99*      |
| AMD Phenom II X6 1090T              | 5680                                    | 365                       | 18.93                           | \$300.00*      |
| AMD Phenom II X6 1100T              | 5845                                    | 348                       | 14.76                           | \$395.99*      |
| AMD Phenom II X620 Dual-Core        | 2189                                    | 1048                      | NA                              | NA             |
| AMD Phenom II X640 Dual-Core        | 2021                                    | 1106                      | NA                              | NA             |
| AMD Phenom II X920 Quad-Core        | 2765                                    | 876                       | NA                              | NA             |
| AMD Phenom II X940 Quad-Core        | 2695                                    | Insufficient data         | NA                              | NA             |
| AMD Phenom Ultra X4 24500           | 3945                                    | 592                       | NA                              | NA             |
| AMD Phenom X2 Dual-Core GE-4060     | 1697                                    | 1228                      | NA                              | NA             |
| AMD Phenom X2 Dual-Core GE-5560     | 2206                                    | 1042                      | NA                              | NA             |
| AMD Phenom X2 Dual-Core GP-5000     | 1180                                    | 1472                      | NA                              | NA             |
| AMD Phenom X2 Dual-Core GP-7730     | 1435                                    | 1345                      | NA                              | NA             |
| AMD Phenom X3 8550                  | 1944                                    | 1131                      | 11.44                           | \$169.95*      |
| AMD Phenom X4 Quad-Core GP-9500     | 1710                                    | 1220                      | NA                              | NA             |
| AMD Phenom X4 Quad-Core GP-9600     | 2235                                    | 1032                      | NA                              | NA             |
| AMD Phenom X4 Quad-Core GP-9830     | 2715                                    | 885                       | NA                              | NA             |
| AMD Phenom X4 Quad-Core GP-9930     | 2690                                    | 891                       | NA                              | NA             |
| AMD Phenom X4 Quad-Core GS-5560     | 1211                                    | 1458                      | NA                              | NA             |
| AMD PRO A4-8350B                    | 2881                                    | Insufficient data         | NA                              | NA             |
| AMD PRO A6-8500B                    | 2511                                    | Insufficient data         | NA                              | NA             |
| AMD PRO A8-8600B                    | 4262                                    | 540                       | NA                              | NA             |
| AMD PRO A8-8650B                    | 5435                                    | 393                       | NA                              | NA             |
| AMD PRO A10-8700B                   | 4239                                    | 548                       | NA                              | NA             |
| AMD PRO A10-8750B                   | 5622                                    | 371                       | NA                              | NA             |
| AMD PRO A10-8850B                   | 5936                                    | Insufficient data         | NA                              | NA             |
| AMD PRO A12-8800B                   | 4411                                    | 512                       | NA                              | NA             |
| AMD R-460L APU                      | 1954                                    | 1125                      | NA                              | NA             |
| AMD R-464L APU                      | 3019                                    | 801                       | NA                              | NA             |
| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD RX-427BB                        | 4379                                    | 517                       | NA                              | NA             |
| AMD Sempron 130                     | 673                                     | 1729                      | 26.93                           | \$24.99*       |
| AMD Sempron 140                     | 740                                     | 1699                      | 78.02                           | \$9.49*        |
| AMD Sempron 145                     | 808                                     | 1675                      | 8.52                            | \$94.92        |
| AMD Sempron 150                     | 680                                     | 1726                      | 9.37                            | \$72.64*       |
| AMD Sempron 200U                    | 267                                     | 2099                      | 3.08                            | \$87.00*       |
| AMD Sempron 210U                    | 366                                     | 1968                      | NA                              | NA             |
| AMD Sempron 2100+                   | 392                                     | 1941                      | NA                              | NA             |
| AMD Sempron 2200+                   | 280                                     | 2084                      | 9.37                            | \$29.99*       |
| AMD Sempron 2300+                   | 318                                     | 2022                      | 7.07                            | \$45.00*       |
| AMD Sempron 2400+                   | 313                                     | 2026                      | 11.60                           | \$27.00        |
| AMD Sempron 2500+                   | 344                                     | 1995                      | 4.31                            | \$79.95        |
| AMD Sempron 2600+                   | 374                                     | 1957                      | 6.24                            | \$59.95        |
| AMD Sempron 2650 APU with Radeon R3 | 847                                     | 1656                      | 28.25                           | \$29.99        |
| AMD Sempron 2800+                   | 388                                     | 1946                      | 6.48                            | \$60.00        |
| AMD Sempron 3000+                   | 407                                     | 1917                      | 20.39                           | \$20.00        |
| AMD Sempron 3100+                   | 451                                     | 1869                      | 7.53                            | \$60.00*       |
| AMD Sempron 3200+                   | 408                                     | 1916                      | 15.71                           | \$25.99*       |
| AMD Sempron 3300+                   | 485                                     | 1840                      | 16.17                           | \$30.00        |
| AMD Sempron 3400+                   | 445                                     | 1876                      | 34.31                           | \$13.00        |
| AMD Sempron 3500+                   | 402                                     | 1924                      | NA                              | NA             |
| AMD Sempron 3600+                   | 479                                     | 1845                      | 39.95                           | \$12.00        |
| AMD Sempron 3800+                   | 554                                     | 1787                      | 1.82                            | \$304.86       |
| AMD Sempron 3850 APU with Radeon R3 | 1698                                    | 1227                      | 56.71                           | \$29.95        |
| AMD Sempron Dual Core 2100          | 869                                     | 1645                      | 22.29                           | \$39.00*       |

| CPU Name                                  | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| AMD Sempron Dual Core 2200                | 969                                     | 1592                      | NA                              | NA             |
| AMD Sempron Dual Core 2300                | 982                                     | 1581                      | 23.39                           | \$41.99*       |
| AMD Sempron Dual Core 4700                | 948                                     | 1604                      | NA                              | NA             |
| AMD Sempron Dual Core 4900                | 1081                                    | 1532                      | NA                              | NA             |
| AMD Sempron LE-250                        | 490                                     | 1834                      | NA                              | NA             |
| AMD Sempron LE-1100                       | 420                                     | 1899                      | NA                              | NA             |
| AMD Sempron LE-1150                       | 440                                     | 1885                      | NA                              | NA             |
| AMD Sempron LE-1200                       | 523                                     | 1806                      | NA                              | NA             |
| AMD Sempron LE-1250                       | 544                                     | 1790                      | 18.80                           | \$28.99*       |
| AMD Sempron LE-1300                       | 627                                     | 1750                      | 52.26                           | \$12.00        |
| AMD Sempron LE-1600                       | 535                                     | 1800                      | NA                              | NA             |
| AMD Sempron LE-1620                       | 635                                     | 1746                      | NA                              | NA             |
| AMD Sempron LE-1640                       | 759                                     | 1691                      | NA                              | NA             |
| AMD Sempron M100                          | 581                                     | 1771                      | 48.42                           | \$12.00        |
| AMD Sempron M120                          | 582                                     | 1770                      | NA                              | NA             |
| AMD Sempron SI-40                         | 448                                     | 1874                      | 37.34                           | \$12.00        |
| AMD Sempron SI-42                         | 454                                     | 1866                      | 37.88                           | \$12.00        |
| AMD Sempron X2 180                        | 1252                                    | 1443                      | 18.05                           | \$69.40*       |
| AMD Sempron X2 190                        | 1566                                    | 1294                      | 18.77                           | \$83.44*       |
| AMD Sempron X2 198 Dual-Core              | 1413                                    | Insufficient data         | NA                              | NA             |
| AMD Turion 64 Mobile MK-36                | 463                                     | 1856                      | NA                              | NA             |
| AMD Turion 64 Mobile MK-38                | 506                                     | 1822                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-28                | 390                                     | 1943                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-30                | 397                                     | 1935                      | NA                              | NA             |
| CPU Name                                  | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Turion 64 Mobile ML-32                | 401                                     | 1925                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-34                | 425                                     | 1897                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-37                | 445                                     | 1877                      | 2.27                            | \$196.50*      |
| AMD Turion 64 Mobile ML-40                | 520                                     | 1808                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-42                | 615                                     | 1756                      | NA                              | NA             |
| AMD Turion 64 Mobile ML-44                | 591                                     | 1766                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-28                | 419                                     | 1901                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-30                | 378                                     | 1953                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-32                | 424                                     | 1898                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-34                | 414                                     | 1906                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-37                | 484                                     | 1841                      | NA                              | NA             |
| AMD Turion 64 Mobile MT-40                | 536                                     | 1798                      | NA                              | NA             |
| AMD Turion 64 X2 Mobile TL-50             | 753                                     | 1692                      | 42.00                           | \$17.95*       |
| AMD Turion 64 X2 Mobile TL-52             | 746                                     | 1695                      | NA                              | NA             |
| AMD Turion 64 X2 Mobile TL-56             | 871                                     | 1643                      | 3.79                            | \$230.00*      |
| AMD Turion 64 X2 Mobile TL-58             | 957                                     | 1600                      | NA                              | NA             |
| AMD Turion 64 X2 Mobile TL-60             | 986                                     | 1578                      | 36.55                           | \$26.99*       |
| AMD Turion 64 X2 Mobile TL-62             | 1093                                    | 1523                      | 3.52                            | \$311.00*      |
| AMD Turion 64 X2 Mobile TL-64             | 1114                                    | 1508                      | 28.30                           | \$39.39*       |
| AMD Turion 64 X2 Mobile TL-66             | 1094                                    | 1520                      | 2.90                            | \$378.00*      |
| AMD Turion 64 X2 Mobile TL-68             | 1155                                    | 1488                      | 12.84                           | \$90.00*       |
| AMD Turion Dual-Core RM-70                | 886                                     | 1636                      | 59.10                           | \$15.00*       |
| AMD Turion Dual-Core RM-72                | 806                                     | 1676                      | 21.22                           | \$38.00*       |
| AMD Turion Dual-Core RM-74                | 1016                                    | Insufficient data         | NA                              | NA             |
| AMD Turion Dual-Core RM-75                | 889                                     | 1634                      | 80.89                           | \$10.99*       |
| AMD Turion II Dual-Core Mobile M500       | 1316                                    | 1397                      | NA                              | NA             |
| AMD Turion II Dual-Core Mobile M520       | 1307                                    | 1407                      | 18.02                           | \$72.55*       |
| AMD Turion II Dual-Core Mobile M540       | 1295                                    | 1415                      | NA                              | NA             |
| AMD Turion II N530 Dual-Core              | 1576                                    | 1290                      | 52.56                           | \$30.00*       |
| AMD Turion II N550 Dual-Core              | 1521                                    | 1309                      | NA                              | NA             |
| AMD Turion II Neo K625 Dual-Core          | 973                                     | 1586                      | NA                              | NA             |
| AMD Turion II Neo K685 Dual-Core          | 1158                                    | 1483                      | NA                              | NA             |
| AMD Turion II Neo N40L Dual-Core          | 914                                     | 1626                      | NA                              | NA             |
| AMD Turion II Neo N54L Dual-Core          | 1395                                    | 1359                      | NA                              | NA             |
| AMD Turion II P520 Dual-Core              | 1355                                    | 1380                      | NA                              | NA             |
| AMD Turion II P540 Dual-Core              | 1461                                    | 1335                      | 48.90                           | \$29.89*       |
| AMD Turion II P560 Dual-Core              | 1509                                    | 1313                      | NA                              | NA             |
| AMD Turion II Ultra Dual-Core Mobile M600 | 1386                                    | 1365                      | 60.29                           | \$23.00*       |
| AMD Turion II Ultra Dual-Core Mobile M620 | 1439                                    | 1343                      | NA                              | NA             |

| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Turion II Ultra Dual-Core Mobile M640  | 1665                                 | 1254                   | NA                           | NA          |
| AMD Turion II Ultra Dual-Core Mobile M660  | 1526                                 | 1308                   | NA                           | NA          |
| AMD Turion Neo X2 Dual Core L625           | 841                                  | 1662                   | NA                           | NA          |
| AMD Turion X2 Dual Core L510               | 871                                  | 1642                   | NA                           | NA          |
| AMD Turion X2 Dual Core Mobile RM-70       | 939                                  | 1608                   | 7.08                         | \$132.56*   |
| AMD Turion X2 Dual Core Mobile RM-76       | 1047                                 | 1544                   | NA                           | NA          |
| AMD Turion X2 Dual-Core Mobile RM-70       | 997                                  | 1573                   | NA                           | NA          |
| AMD Turion X2 Dual-Core Mobile RM-72       | 1094                                 | 1521                   | 4.88                         | \$224.26*   |
| AMD Turion X2 Dual-Core Mobile RM-74       | 1056                                 | 1539                   | 35.29                        | \$29.95*    |
| AMD Turion X2 Dual-Core Mobile RM-75       | 1150                                 | 1492                   | NA                           | NA          |
| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Turion X2 Dual-Core Mobile RM-77       | 1210                                 | 1460                   | NA                           | NA          |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-80 | 1001                                 | 1572                   | 66.74                        | \$15.00*    |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-82 | 1103                                 | 1512                   | NA                           | NA          |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-84 | 1185                                 | 1471                   | 84.73                        | \$13.99     |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-85 | 1209                                 | 1461                   | NA                           | NA          |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-86 | 1258                                 | 1438                   | 22.89                        | \$55.00*    |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-87 | 1276                                 | 1426                   | 31.95                        | \$39.95*    |
| AMD TurionX2 Dual Core Mobile RM-70        | 982                                  | 1582                   | NA                           | NA          |
| AMD TurionX2 Dual Core Mobile RM-72        | 1112                                 | 1509                   | NA                           | NA          |
| AMD TurionX2 Ultra DualCore Mobile ZM-85   | 1454                                 | Insufficient data      | NA                           | NA          |
| AMD V105                                   | 274                                  | 2092                   | NA                           | NA          |
| AMD V120                                   | 637                                  | 1745                   | NA                           | NA          |
| AMD V140                                   | 645                                  | 1741                   | 49.68                        | \$13.00*    |
| AMD V160                                   | 684                                  | 1723                   | NA                           | NA          |
| AMD Z-01                                   | 523                                  | 1805                   | NA                           | NA          |
| AMD Z-60 APU                               | 555                                  | 1786                   | NA                           | NA          |
| AMD-K6 3D                                  | 90                                   | 2216                   | NA                           | NA          |
| AMD-K6-III                                 | 108                                  | 2213                   | NA                           | NA          |
| AMD-K7                                     | 403                                  | 1922                   | NA                           | NA          |
| Athlon 64 Dual Core 3800+                  | 1234                                 | Insufficient data      | NA                           | NA          |
| Athlon 64 Dual Core 4200+                  | 1156                                 | 1487                   | NA                           | NA          |
| Athlon 64 Dual Core 4800+                  | 1370                                 | 1372                   | NA                           | NA          |
| Athlon 64 Dual Core 5000+                  | 1497                                 | 1317                   | NA                           | NA          |
| Athlon 64 Dual Core 5400+                  | 1614                                 | 1271                   | NA                           | NA          |
| Athlon 64 Dual Core 5600+                  | 1548                                 | 1302                   | NA                           | NA          |
| Athlon Dual Core 4050e                     | 914                                  | 1625                   | NA                           | NA          |
| Athlon Dual Core 4450e                     | 1081                                 | 1533                   | NA                           | NA          |
| Athlon Dual Core 4850e                     | 1327                                 | 1393                   | NA                           | NA          |
| Celeron Dual-Core Q8300 @ 2.50GHz          | 2837                                 | 852                    | NA                           | NA          |
| Celeron Dual-Core T3000 @ 1.80GHz          | 1095                                 | 1519                   | NA                           | NA          |
| Celeron Dual-Core T3100 @ 1.90GHz          | 1165                                 | 1480                   | NA                           | NA          |
| Celeron Dual-Core T3300 @ 2.00GHz          | 1257                                 | 1440                   | NA                           | NA          |
| Celeron Dual-Core T3500 @ 2.10GHz          | 1310                                 | 1402                   | NA                           | NA          |
| HP Hexa-Core 2.0GHz                        | 2062                                 | 1087                   | 4.35                         | \$474.10*   |
| Intel 1300 @ 1.66GHz                       | 857                                  | 1652                   | NA                           | NA          |
| Intel 1400 @ 1.83GHz                       | 980                                  | 1583                   | NA                           | NA          |
| Intel 1500 @ 2.00GHz                       | 1024                                 | 1560                   | NA                           | NA          |
| Intel Atom 230 @ 1.60GHz                   | 291                                  | 2057                   | NA                           | NA          |
| Intel Atom 330 @ 1.60GHz                   | 597                                  | 1764                   | NA                           | NA          |
| Intel Atom C2338 @ 1.74GHz                 | 898                                  | 1630                   | NA                           | NA          |
| Intel Atom C2550 @ 2.40GHz                 | 2329                                 | Insufficient data      | NA                           | NA          |
| Intel Atom C2558 @ 2.40GHz                 | 2169                                 | Insufficient data      | 16.56                        | \$131.00    |
| Intel Atom C2750 @ 2.40GHz                 | 3859                                 | 605                    | 16.64                        | \$232.00    |
| Intel Atom C2750 @ 2.41GHz                 | 3560                                 | 668                    | NA                           | NA          |
| Intel Atom C2758 @ 2.40GHz                 | 3162                                 | 771                    | 13.63                        | \$232.00    |
| Intel Atom D410 @ 1.66GHz                  | 310                                  | 2029                   | 0.49                         | \$635.99*   |
| Intel Atom D425 @ 1.80GHz                  | 336                                  | 2001                   | 0.34                         | \$992.98*   |
| Intel Atom D510 @ 1.66GHz                  | 661                                  | 1734                   | 6.07                         | \$109.00    |
| Intel Atom D525 @ 1.80GHz                  | 698                                  | 1718                   | NA                           | NA          |
| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Atom D2500 @ 1.86GHz                 | 401                                  | 1926                   | NA                           | NA          |

| CPU Name                      | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Atom D2550 @ 1.86GHz    | 664                                     | 1733                      | NA                              | NA             |
| Intel Atom D2560 @ 2.00GHz    | 711                                     | Insufficient data         | NA                              | NA             |
| Intel Atom D2700 @ 2.13GHz    | 851                                     | 1655                      | NA                              | NA             |
| Intel Atom D2701 @ 2.13GHz    | 720                                     | 1708                      | NA                              | NA             |
| Intel Atom E660 @ 1.30GHz     | 271                                     | 2096                      | 5.03                            | \$54.00*       |
| Intel Atom E680 @ 1.60GHz     | 346                                     | 1992                      | NA                              | NA             |
| Intel Atom E3815 @ 1.46GHz    | 362                                     | 1975                      | 4.71                            | \$77.00        |
| Intel Atom E3825 @ 1.33GHz    | 556                                     | 1785                      | 6.87                            | \$81.00        |
| Intel Atom E3827 @ 1.74GHz    | 849                                     | Insufficient data         | NA                              | NA             |
| Intel Atom E3840 @ 1.91GHz    | 1162                                    | 1482                      | NA                              | NA             |
| Intel Atom E3845 @ 1.91GHz    | 1403                                    | 1354                      | NA                              | NA             |
| Intel Atom K510 @ 1.66GHz     | 658                                     | 1736                      | NA                              | NA             |
| Intel Atom N270 @ 1.60GHz     | 272                                     | 2094                      | NA                              | NA             |
| Intel Atom N280 @ 1.66GHz     | 288                                     | 2066                      | NA                              | NA             |
| Intel Atom N435 @ 1.33GHz     | 236                                     | 2137                      | NA                              | NA             |
| Intel Atom N450 @ 1.66GHz     | 294                                     | 2053                      | NA                              | NA             |
| Intel Atom N455 @ 1.66GHz     | 287                                     | 2071                      | NA                              | NA             |
| Intel Atom N470 @ 1.83GHz     | 307                                     | 2033                      | NA                              | NA             |
| Intel Atom N475 @ 1.83GHz     | 326                                     | 2009                      | NA                              | NA             |
| Intel Atom N550 @ 1.50GHz     | 514                                     | 1813                      | 5.99                            | \$86.00*       |
| Intel Atom N570 @ 1.66GHz     | 576                                     | 1776                      | 6.70                            | \$86.00*       |
| Intel Atom N2100 @ 1.60GHz    | 321                                     | 2014                      | NA                              | NA             |
| Intel Atom N2600 @ 1.60GHz    | 533                                     | 1802                      | NA                              | NA             |
| Intel Atom N2800 @ 1.86GHz    | 625                                     | 1751                      | NA                              | NA             |
| Intel Atom S1260 @ 2.00GHz    | 916                                     | Insufficient data         | 14.32                           | \$64.00*       |
| Intel Atom x5-E8000 @ 1.04GHz | 1749                                    | Insufficient data         | NA                              | NA             |
| Intel Atom x5-Z8300 @ 1.44GHz | 1204                                    | 1462                      | 8.72                            | \$138.20       |
| Intel Atom x5-Z8500 @ 1.44GHz | 1706                                    | 1222                      | 23.38                           | \$73.00        |
| Intel Atom x7-Z8700 @ 1.60GHz | 1949                                    | 1128                      | 23.21                           | \$84.00        |
| Intel Atom Z510 @ 1.10GHz     | 194                                     | 2173                      | 4.33                            | \$45.00*       |
| Intel Atom Z515 @ 1.20GHz     | 218                                     | 2156                      | NA                              | NA             |
| Intel Atom Z520 @ 1.33GHz     | 215                                     | 2159                      | NA                              | NA             |
| Intel Atom Z530 @ 1.60GHz     | 281                                     | 2083                      | NA                              | NA             |
| Intel Atom Z540 @ 1.86GHz     | 348                                     | 1989                      | NA                              | NA             |
| Intel Atom Z550 @ 2.00GHz     | 381                                     | 1949                      | NA                              | NA             |
| Intel Atom Z670 @ 1.50GHz     | 249                                     | 2123                      | NA                              | NA             |
| Intel Atom Z2760 @ 1.80GHz    | 576                                     | 1774                      | NA                              | NA             |
| Intel Atom Z3735D @ 1.33GHz   | 920                                     | 1621                      | NA                              | NA             |
| Intel Atom Z3735E @ 1.33GHz   | 929                                     | 1614                      | 7.94                            | \$117.00*      |
| Intel Atom Z3735F @ 1.33GHz   | 909                                     | 1627                      | 13.38                           | \$67.98        |
| Intel Atom Z3735G @ 1.33GHz   | 916                                     | 1623                      | NA                              | NA             |
| Intel Atom Z3736F @ 1.33GHz   | 922                                     | 1620                      | NA                              | NA             |
| Intel Atom Z3740 @ 1.33GHz    | 1069                                    | 1537                      | NA                              | NA             |
| Intel Atom Z3740D @ 1.33GHz   | 1031                                    | 1555                      | NA                              | NA             |
| Intel Atom Z3745 @ 1.33GHz    | 1079                                    | 1535                      | NA                              | NA             |
| Intel Atom Z3745D @ 1.33GHz   | 1082                                    | 1530                      | NA                              | NA             |
| Intel Atom Z3770 @ 1.46GHz    | 1249                                    | 1446                      | NA                              | NA             |
| Intel Atom Z3770D @ 1.49GHz   | 805                                     | Insufficient data         | NA                              | NA             |
| CPU Name                      | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Atom Z3775 @ 1.46GHz    | 1261                                    | 1435                      | 36.03                           | \$35.00*       |
| Intel Atom Z3775D @ 1.49GHz   | 1277                                    | 1423                      | NA                              | NA             |
| Intel Atom Z3795 @ 1.60GHz    | 1743                                    | 1207                      | NA                              | NA             |
| Intel Celeron 1.70GHz         | 129                                     | 2209                      | NA                              | NA             |
| Intel Celeron 1.80GHz         | 137                                     | 2205                      | NA                              | NA             |
| Intel Celeron 2.00GHz         | 186                                     | 2181                      | NA                              | NA             |
| Intel Celeron 2.10GHz         | 244                                     | 2130                      | NA                              | NA             |
| Intel Celeron 2.13GHz         | 215                                     | 2160                      | NA                              | NA             |
| Intel Celeron 2.20GHz         | 213                                     | 2162                      | NA                              | NA             |
| Intel Celeron 2.26GHz         | 224                                     | 2148                      | NA                              | NA             |
| Intel Celeron 2.30GHz         | 227                                     | 2145                      | NA                              | NA             |
| Intel Celeron 2.40GHz         | 218                                     | 2158                      | NA                              | NA             |
| Intel Celeron 2.50GHz         | 253                                     | 2117                      | NA                              | NA             |
| Intel Celeron 2.53GHz         | 245                                     | 2128                      | NA                              | NA             |
| Intel Celeron 2.60GHz         | 242                                     | 2131                      | NA                              | NA             |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Celeron 2.66GHz          | 252                                     | 2119                      | NA                              | NA             |
| Intel Celeron 2.70GHz          | 245                                     | 2129                      | NA                              | NA             |
| Intel Celeron 2.80GHz          | 257                                     | 2112                      | NA                              | NA             |
| Intel Celeron 2.93GHz          | 283                                     | 2077                      | NA                              | NA             |
| Intel Celeron 3.06GHz          | 288                                     | 2068                      | NA                              | NA             |
| Intel Celeron 3.20GHz          | 288                                     | 2067                      | NA                              | NA             |
| Intel Celeron 3.33GHz          | 333                                     | 2005                      | NA                              | NA             |
| Intel Celeron 215 @ 1.33GHz    | 349                                     | 1987                      | NA                              | NA             |
| Intel Celeron 220 @ 1.20GHz    | 320                                     | 2018                      | NA                              | NA             |
| Intel Celeron 420 @ 1.60GHz    | 452                                     | 1868                      | 3.24                            | \$139.99*      |
| Intel Celeron 430 @ 1.80GHz    | 490                                     | 1833                      | 6.14                            | \$79.95        |
| Intel Celeron 440 @ 2.00GHz    | 539                                     | 1795                      | 7.19                            | \$74.99*       |
| Intel Celeron 450 @ 2.20GHz    | 634                                     | 1747                      | NA                              | NA             |
| Intel Celeron 530 @ 1.73GHz    | 480                                     | 1844                      | 19.28                           | \$24.95*       |
| Intel Celeron 540 @ 1.86GHz    | 513                                     | 1814                      | NA                              | NA             |
| Intel Celeron 550 @ 2.00GHz    | 496                                     | 1828                      | 38.22                           | \$13.00*       |
| Intel Celeron 560 @ 2.13GHz    | 536                                     | 1799                      | 6.71                            | \$79.95        |
| Intel Celeron 570 @ 2.26GHz    | 557                                     | 1784                      | NA                              | NA             |
| Intel Celeron 600MHz           | 147                                     | 2203                      | NA                              | NA             |
| Intel Celeron 723 @ 1.20GHz    | 404                                     | 1919                      | NA                              | NA             |
| Intel Celeron 743 @ 1.30GHz    | 412                                     | 1911                      | NA                              | NA             |
| Intel Celeron 807 @ 1.50GHz    | 751                                     | Insufficient data         | NA                              | NA             |
| Intel Celeron 807UE @ 1.00GHz  | 369                                     | 1963                      | NA                              | NA             |
| Intel Celeron 827E @ 1.40GHz   | 566                                     | 1783                      | NA                              | NA             |
| Intel Celeron 847 @ 1.10GHz    | 950                                     | 1603                      | 3.02                            | \$315.00*      |
| Intel Celeron 847E @ 1.10GHz   | 1011                                    | 1565                      | NA                              | NA             |
| Intel Celeron 857 @ 1.20GHz    | 1156                                    | 1485                      | NA                              | NA             |
| Intel Celeron 867 @ 1.30GHz    | 1196                                    | 1467                      | NA                              | NA             |
| Intel Celeron 877 @ 1.40GHz    | 1309                                    | 1404                      | NA                              | NA             |
| Intel Celeron 887 @ 1.50GHz    | 1315                                    | 1399                      | NA                              | NA             |
| Intel Celeron 900 @ 2.20GHz    | 686                                     | 1722                      | 36.51                           | \$18.80*       |
| Intel Celeron 925 @ 2.30GHz    | 672                                     | 1730                      | NA                              | NA             |
| Intel Celeron 1000M @ 1.80GHz  | 1668                                    | 1252                      | NA                              | NA             |
| Intel Celeron 1000MHz          | 241                                     | 2132                      | NA                              | NA             |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Celeron 1005M @ 1.90GHz  | 1872                                    | 1161                      | NA                              | NA             |
| Intel Celeron 1007U @ 1.50GHz  | 1415                                    | 1352                      | 7.65                            | \$184.99*      |
| Intel Celeron 1017U @ 1.60GHz  | 1600                                    | 1278                      | NA                              | NA             |
| Intel Celeron 1019Y @ 1.00GHz  | 972                                     | 1588                      | NA                              | NA             |
| Intel Celeron 1020E @ 2.20GHz  | 2232                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron 1037U @ 1.80GHz  | 1745                                    | 1206                      | NA                              | NA             |
| Intel Celeron 1047UE @ 1.40GHz | 1188                                    | 1470                      | NA                              | NA             |
| Intel Celeron 1066MHz          | 259                                     | 2108                      | NA                              | NA             |
| Intel Celeron 1100MHz          | 174                                     | 2190                      | NA                              | NA             |
| Intel Celeron 1133MHz          | 282                                     | 2078                      | NA                              | NA             |
| Intel Celeron 1200MHz          | 263                                     | 2105                      | NA                              | NA             |
| Intel Celeron 1300MHz          | 288                                     | 2069                      | NA                              | NA             |
| Intel Celeron 1333MHz          | 290                                     | 2061                      | NA                              | NA             |
| Intel Celeron 1400MHz          | 302                                     | 2045                      | NA                              | NA             |
| Intel Celeron 2950M @ 2.00GHz  | 2127                                    | 1069                      | NA                              | NA             |
| Intel Celeron 2955U @ 1.40GHz  | 1462                                    | 1333                      | NA                              | NA             |
| Intel Celeron 2957U @ 1.40GHz  | 1480                                    | 1323                      | NA                              | NA             |
| Intel Celeron 2961Y @ 1.10GHz  | 1073                                    | 1536                      | NA                              | NA             |
| Intel Celeron 2970M @ 2.20GHz  | 2416                                    | 969                       | NA                              | NA             |
| Intel Celeron 2980U @ 1.60GHz  | 1563                                    | 1295                      | NA                              | NA             |
| Intel Celeron 3205U @ 1.50GHz  | 1695                                    | 1229                      | NA                              | NA             |
| Intel Celeron 3215U @ 1.70GHz  | 1829                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron 3755U @ 1.70GHz  | 1473                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron 3855U @ 1.60GHz  | 1599                                    | 1279                      | NA                              | NA             |
| Intel Celeron 3955U @ 2.00GHz  | 2284                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron @ 1.30GHz        | 965                                     | Insufficient data         | NA                              | NA             |
| Intel Celeron B710 @ 1.60GHz   | 186                                     | Insufficient data         | NA                              | NA             |
| Intel Celeron B720 @ 1.70GHz   | 814                                     | 1672                      | NA                              | NA             |
| Intel Celeron B800 @ 1.50GHz   | 1319                                    | 1395                      | NA                              | NA             |



| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Celeron B810 @ 1.60GHz    | 1375                                    | 1370                      | NA                              | NA             |
| Intel Celeron B815 @ 1.60GHz    | 1354                                    | 1381                      | NA                              | NA             |
| Intel Celeron B820 @ 1.70GHz    | 1449                                    | 1341                      | NA                              | NA             |
| Intel Celeron B830 @ 1.80GHz    | 1542                                    | 1304                      | NA                              | NA             |
| Intel Celeron B840 @ 1.90GHz    | 1766                                    | 1198                      | NA                              | NA             |
| Intel Celeron D 347 @ 3.06GHz   | 284                                     | 2075                      | NA                              | NA             |
| Intel Celeron D 352 @ 3.20GHz   | 307                                     | 2034                      | NA                              | NA             |
| Intel Celeron D 356 @ 3.33GHz   | 320                                     | 2019                      | NA                              | NA             |
| Intel Celeron D 360 @ 3.46GHz   | 331                                     | 2006                      | NA                              | NA             |
| Intel Celeron D 365 @ 3.60GHz   | 404                                     | 1920                      | 4.50                            | \$89.95*       |
| Intel Celeron D 420 @ 1.60GHz   | 481                                     | 1843                      | NA                              | NA             |
| Intel Celeron D 430 @ 1.80GHz   | 585                                     | 1769                      | NA                              | NA             |
| Intel Celeron E1200 @ 1.60GHz   | 864                                     | 1648                      | 21.62                           | \$39.99        |
| Intel Celeron E1400 @ 2.00GHz   | 1039                                    | 1551                      | 13.00                           | \$79.95        |
| Intel Celeron E1500 @ 2.20GHz   | 1141                                    | 1498                      | 6.18                            | \$184.88*      |
| Intel Celeron E1600 @ 2.40GHz   | 1260                                    | 1436                      | NA                              | NA             |
| Intel Celeron E3200 @ 2.40GHz   | 1386                                    | 1364                      | 26.68                           | \$51.99*       |
| Intel Celeron E3300 @ 2.50GHz   | 1397                                    | 1357                      | 17.47                           | \$79.99        |
| Intel Celeron E3400 @ 2.60GHz   | 1453                                    | 1338                      | 7.95                            | \$182.70       |
| Intel Celeron E3500 @ 2.70GHz   | 1403                                    | 1355                      | 14.72                           | \$95.36*       |
| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Celeron G440 @ 1.60GHz    | 689                                     | 1721                      | 13.80                           | \$49.99*       |
| Intel Celeron G460 @ 1.80GHz    | 1040                                    | 1550                      | 9.91                            | \$105.00       |
| Intel Celeron G465 @ 1.90GHz    | 1096                                    | 1516                      | 8.94                            | \$122.59       |
| Intel Celeron G470 @ 2.00GHz    | 1306                                    | 1408                      | NA                              | NA             |
| Intel Celeron G530 @ 2.40GHz    | 2152                                    | 1060                      | 43.06                           | \$49.99*       |
| Intel Celeron G530T @ 2.00GHz   | 1604                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron G540 @ 2.50GHz    | 2235                                    | 1030                      | 48.61                           | \$45.99*       |
| Intel Celeron G540T @ 2.10GHz   | 2114                                    | 1073                      | NA                              | NA             |
| Intel Celeron G550 @ 2.60GHz    | 2312                                    | 996                       | 17.58                           | \$131.59*      |
| Intel Celeron G550T @ 2.20GHz   | 2144                                    | 1063                      | NA                              | NA             |
| Intel Celeron G555 @ 2.70GHz    | 2479                                    | 950                       | 41.33                           | \$59.99*       |
| Intel Celeron G1101 @ 2.27GHz   | 1727                                    | 1213                      | 20.33                           | \$85.00*       |
| Intel Celeron G1610 @ 2.60GHz   | 2519                                    | 936                       | 33.60                           | \$74.99        |
| Intel Celeron G1610T @ 2.30GHz  | 2350                                    | 987                       | 26.40                           | \$89.00*       |
| Intel Celeron G1620 @ 2.70GHz   | 2614                                    | 909                       | 17.02                           | \$153.59       |
| Intel Celeron G1620T @ 2.40GHz  | 2287                                    | 1003                      | 54.46                           | \$42.00*       |
| Intel Celeron G1630 @ 2.80GHz   | 2521                                    | 935                       | 36.02                           | \$69.99        |
| Intel Celeron G1820 @ 2.70GHz   | 2820                                    | 859                       | 61.34                           | \$45.99        |
| Intel Celeron G1820T @ 2.40GHz  | 2461                                    | 953                       | 58.62                           | \$42.00*       |
| Intel Celeron G1820TE @ 2.20GHz | 2230                                    | 1034                      | NA                              | NA             |
| Intel Celeron G1830 @ 2.80GHz   | 2705                                    | 887                       | 44.40                           | \$60.93        |
| Intel Celeron G1840 @ 2.80GHz   | 2984                                    | 815                       | 63.53                           | \$46.98        |
| Intel Celeron G1840T @ 2.50GHz  | 2662                                    | 894                       | NA                              | NA             |
| Intel Celeron G1850 @ 2.90GHz   | 2936                                    | 829                       | 53.39                           | \$54.99        |
| Intel Celeron G3900 @ 2.80GHz   | 3189                                    | 762                       | 56.20                           | \$56.75        |
| Intel Celeron G3900T @ 2.60GHz  | 2904                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron J1750 @ 2.41GHz   | 1048                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron J1800 @ 2.41GHz   | 1029                                    | 1556                      | NA                              | NA             |
| Intel Celeron J1850 @ 1.99GHz   | 1614                                    | 1272                      | NA                              | NA             |
| Intel Celeron J1900 @ 1.99GHz   | 1880                                    | 1157                      | NA                              | NA             |
| Intel Celeron J3160 @ 1.60GHz   | 1957                                    | 1124                      | NA                              | NA             |
| Intel Celeron M 1.00GHz         | 247                                     | 2125                      | NA                              | NA             |
| Intel Celeron M 1.30GHz         | 321                                     | 2017                      | NA                              | NA             |
| Intel Celeron M 1.50GHz         | 347                                     | 1991                      | NA                              | NA             |
| Intel Celeron M 1.60GHz         | 365                                     | 1970                      | NA                              | NA             |
| Intel Celeron M 1.70GHz         | 397                                     | 1934                      | NA                              | NA             |
| Intel Celeron M 360 1.40GHz     | 329                                     | 2007                      | NA                              | NA             |
| Intel Celeron M 410 @ 1.46GHz   | 336                                     | 2003                      | NA                              | NA             |
| Intel Celeron M 420 @ 1.60GHz   | 339                                     | 1998                      | NA                              | NA             |
| Intel Celeron M 430 @ 1.73GHz   | 374                                     | 1958                      | NA                              | NA             |
| Intel Celeron M 440 @ 1.86GHz   | 413                                     | 1909                      | NA                              | NA             |
| Intel Celeron M 443 @ 1.20GHz   | 253                                     | 2116                      | NA                              | NA             |
| Intel Celeron M 450 @ 2.00GHz   | 455                                     | 1865                      | NA                              | NA             |

| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Celeron M 520 @ 1.60GHz   | 430                                     | 1894                      | NA                              | NA             |
| Intel Celeron M 530 @ 1.73GHz   | 444                                     | 1878                      | NA                              | NA             |
| Intel Celeron M 540 @ 1.86GHz   | 542                                     | 1793                      | NA                              | NA             |
| Intel Celeron M 600MHz          | 151                                     | 2201                      | NA                              | NA             |
| Intel Celeron M 723 @ 1.20GHz   | 418                                     | 1903                      | NA                              | NA             |
| Intel Celeron M 900MHz          | 213                                     | 2163                      | NA                              | NA             |
| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Celeron M 1200MHz         | 275                                     | 2091                      | NA                              | NA             |
| Intel Celeron M 1300MHz         | 303                                     | 2043                      | NA                              | NA             |
| Intel Celeron M 1500MHz         | 326                                     | 2010                      | NA                              | NA             |
| Intel Celeron M ULV 800MHz      | 184                                     | 2184                      | NA                              | NA             |
| Intel Celeron N2805 @ 1.46GHz   | 449                                     | 1873                      | NA                              | NA             |
| Intel Celeron N2806 @ 1.60GHz   | 772                                     | 1686                      | NA                              | NA             |
| Intel Celeron N2807 @ 1.58GHz   | 894                                     | 1631                      | NA                              | NA             |
| Intel Celeron N2808 @ 1.58GHz   | 983                                     | 1580                      | NA                              | NA             |
| Intel Celeron N2810 @ 2.00GHz   | 816                                     | 1671                      | 3.03                            | \$269.43*      |
| Intel Celeron N2815 @ 1.86GHz   | 867                                     | 1647                      | NA                              | NA             |
| Intel Celeron N2820 @ 2.13GHz   | 985                                     | 1579                      | 7.04                            | \$139.99       |
| Intel Celeron N2830 @ 2.16GHz   | 990                                     | 1576                      | NA                              | NA             |
| Intel Celeron N2840 @ 2.16GHz   | 1049                                    | 1543                      | NA                              | NA             |
| Intel Celeron N2910 @ 1.60GHz   | 1250                                    | 1445                      | NA                              | NA             |
| Intel Celeron N2920 @ 1.86GHz   | 1543                                    | 1303                      | NA                              | NA             |
| Intel Celeron N2930 @ 1.83GHz   | 1661                                    | 1256                      | NA                              | NA             |
| Intel Celeron N2940 @ 1.83GHz   | 1773                                    | 1195                      | NA                              | NA             |
| Intel Celeron N3000 @ 1.04GHz   | 863                                     | 1650                      | NA                              | NA             |
| Intel Celeron N3050 @ 1.60GHz   | 916                                     | 1622                      | 4.32                            | \$212.00*      |
| Intel Celeron N3060 @ 1.60GHz   | 1054                                    | 1541                      | NA                              | NA             |
| Intel Celeron N3150 @ 1.60GHz   | 1693                                    | 1230                      | NA                              | NA             |
| Intel Celeron P4500 @ 1.87GHz   | 1177                                    | 1474                      | NA                              | NA             |
| Intel Celeron P4505 @ 1.87GHz   | 994                                     | 1575                      | NA                              | NA             |
| Intel Celeron P4600 @ 2.00GHz   | 1375                                    | 1369                      | NA                              | NA             |
| Intel Celeron SU2300 @ 1.20GHz  | 789                                     | 1683                      | NA                              | NA             |
| Intel Celeron T1600 @ 1.66GHz   | 923                                     | 1619                      | 46.17                           | \$19.99*       |
| Intel Celeron T1700 @ 1.83GHz   | 1058                                    | 1538                      | NA                              | NA             |
| Intel Celeron U1900 @ 1.99GHz   | 1704                                    | Insufficient data         | NA                              | NA             |
| Intel Celeron U3400 @ 1.07GHz   | 735                                     | 1701                      | NA                              | NA             |
| Intel Celeron U3405 @ 1.07GHz   | 684                                     | 1724                      | NA                              | NA             |
| Intel Celeron U3600 @ 1.20GHz   | 769                                     | 1689                      | NA                              | NA             |
| Intel Core2 Duo E4300 @ 1.80GHz | 1054                                    | 1542                      | 12.90                           | \$81.74*       |
| Intel Core2 Duo E4400 @ 2.00GHz | 1154                                    | 1490                      | 10.69                           | \$108.00*      |
| Intel Core2 Duo E4500 @ 2.20GHz | 1278                                    | 1422                      | 36.55                           | \$34.99*       |
| Intel Core2 Duo E4600 @ 2.40GHz | 1396                                    | 1358                      | 34.93                           | \$39.99*       |
| Intel Core2 Duo E4700 @ 2.60GHz | 1494                                    | 1319                      | 14.95                           | \$100.00*      |
| Intel Core2 Duo E6300 @ 1.86GHz | 1123                                    | 1505                      | 23.91                           | \$46.99        |
| Intel Core2 Duo E6320 @ 1.86GHz | 1189                                    | 1469                      | NA                              | NA             |
| Intel Core2 Duo E6400 @ 2.13GHz | 1298                                    | 1414                      | 22.78                           | \$56.99*       |
| Intel Core2 Duo E6420 @ 2.13GHz | 1374                                    | 1371                      | NA                              | NA             |
| Intel Core2 Duo E6540 @ 2.33GHz | 1464                                    | 1332                      | NA                              | NA             |
| Intel Core2 Duo E6550 @ 2.33GHz | 1504                                    | 1315                      | 37.60                           | \$40.00*       |
| Intel Core2 Duo E6600 @ 2.40GHz | 1562                                    | 1296                      | 19.53                           | \$79.99*       |
| Intel Core2 Duo E6700 @ 2.66GHz | 1711                                    | 1219                      | 15.56                           | \$109.99       |
| Intel Core2 Duo E6750 @ 2.66GHz | 1725                                    | 1216                      | 35.22                           | \$48.99*       |
| Intel Core2 Duo E6850 @ 3.00GHz | 1969                                    | 1116                      | 9.85                            | \$199.95*      |
| Intel Core2 Duo E7200 @ 2.53GHz | 1647                                    | 1259                      | 8.67                            | \$189.95*      |
| Intel Core2 Duo E7300 @ 2.66GHz | 1737                                    | 1209                      | NA                              | NA             |
| Intel Core2 Duo E7400 @ 2.80GHz | 1782                                    | 1189                      | 71.32                           | \$24.99*       |
| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core2 Duo E7500 @ 2.93GHz | 1889                                    | 1153                      | 27.00                           | \$69.99*       |
| Intel Core2 Duo E7600 @ 3.06GHz | 2033                                    | 1098                      | 13.56                           | \$149.95*      |
| Intel Core2 Duo E8135 @ 2.40GHz | 1681                                    | 1240                      | NA                              | NA             |
| Intel Core2 Duo E8135 @ 2.66GHz | 1775                                    | 1193                      | NA                              | NA             |
| Intel Core2 Duo E8200 @ 2.66GHz | 1891                                    | 1152                      | NA                              | NA             |

| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core2 Duo E8235 @ 2.80GHz  | 1945                                    | 1130                      | NA                              | NA             |
| Intel Core2 Duo E8290 @ 2.83GHz  | 2353                                    | Insufficient data         | NA                              | NA             |
| Intel Core2 Duo E8300 @ 2.83GHz  | 2004                                    | 1109                      | 50.13                           | \$39.99*       |
| Intel Core2 Duo E8335 @ 2.66GHz  | 1794                                    | 1186                      | NA                              | NA             |
| Intel Core2 Duo E8335 @ 2.93GHz  | 2167                                    | 1053                      | NA                              | NA             |
| Intel Core2 Duo E8400 @ 3.00GHz  | 2178                                    | 1051                      | 103.74                          | \$21.00        |
| Intel Core2 Duo E8435 @ 3.06GHz  | 2149                                    | 1062                      | NA                              | NA             |
| Intel Core2 Duo E8500 @ 3.16GHz  | 2313                                    | 994                       | 93.48                           | \$24.75*       |
| Intel Core2 Duo E8600 @ 3.33GHz  | 2426                                    | 964                       | 59.18                           | \$41.00        |
| Intel Core2 Duo E8700 @ 3.50GHz  | 2212                                    | 1040                      | NA                              | NA             |
| Intel Core2 Duo L7100 @ 1.20GHz  | 727                                     | 1704                      | NA                              | NA             |
| Intel Core2 Duo L7200 @ 1.33GHz  | 684                                     | 1725                      | NA                              | NA             |
| Intel Core2 Duo L7300 @ 1.40GHz  | 841                                     | 1661                      | NA                              | NA             |
| Intel Core2 Duo L7400 @ 1.50GHz  | 846                                     | 1657                      | NA                              | NA             |
| Intel Core2 Duo L7500 @ 1.60GHz  | 973                                     | 1587                      | NA                              | NA             |
| Intel Core2 Duo L7700 @ 1.80GHz  | 968                                     | 1593                      | NA                              | NA             |
| Intel Core2 Duo L7800 @ 2.00GHz  | 1116                                    | Insufficient data         | NA                              | NA             |
| Intel Core2 Duo L9300 @ 1.60GHz  | 1123                                    | 1504                      | NA                              | NA             |
| Intel Core2 Duo L9600 @ 2.13GHz  | 1416                                    | 1350                      | NA                              | NA             |
| Intel Core2 Duo P7350 @ 2.00GHz  | 1309                                    | 1403                      | 65.52                           | \$19.99*       |
| Intel Core2 Duo P7370 @ 2.00GHz  | 1321                                    | 1394                      | NA                              | NA             |
| Intel Core2 Duo P7450 @ 2.13GHz  | 1436                                    | 1344                      | 35.93                           | \$39.99*       |
| Intel Core2 Duo P7500 @ 1.60GHz  | 945                                     | 1606                      | NA                              | NA             |
| Intel Core2 Duo P7550 @ 2.26GHz  | 1514                                    | 1312                      | 6.59                            | \$229.99*      |
| Intel Core2 Duo P7570 @ 2.26GHz  | 1419                                    | 1349                      | NA                              | NA             |
| Intel Core2 Duo P7700 @ 1.80GHz  | 1021                                    | 1561                      | NA                              | NA             |
| Intel Core2 Duo P8400 @ 2.26GHz  | 1473                                    | 1325                      | 7.45                            | \$197.79*      |
| Intel Core2 Duo P8600 @ 2.40GHz  | 1557                                    | 1299                      | 32.46                           | \$47.99*       |
| Intel Core2 Duo P8700 @ 2.53GHz  | 1646                                    | 1260                      | 43.33                           | \$37.99*       |
| Intel Core2 Duo P8800 @ 2.66GHz  | 1768                                    | 1196                      | 31.03                           | \$56.99*       |
| Intel Core2 Duo P9300 @ 2.26GHz  | 1598                                    | 1281                      | NA                              | NA             |
| Intel Core2 Duo P9500 @ 2.53GHz  | 1795                                    | 1184                      | 5.28                            | \$340.00*      |
| Intel Core2 Duo P9600 @ 2.53GHz  | 1767                                    | 1197                      | 17.86                           | \$99.00*       |
| Intel Core2 Duo P9600 @ 2.66GHz  | 1895                                    | 1146                      | NA                              | NA             |
| Intel Core2 Duo P9700 @ 2.80GHz  | 2032                                    | 1100                      | NA                              | NA             |
| Intel Core2 Duo Q6867 @ 3.00GHz  | 589                                     | 1767                      | NA                              | NA             |
| Intel Core2 Duo SL9400 @ 1.86GHz | 1315                                    | 1398                      | 5.20                            | \$253.00*      |
| Intel Core2 Duo SP9400 @ 2.40GHz | 1676                                    | 1249                      | 5.90                            | \$284.00*      |
| Intel Core2 Duo SU9400 @ 1.40GHz | 943                                     | 1607                      | NA                              | NA             |
| Intel Core2 Duo T5200 @ 1.60GHz  | 836                                     | 1665                      | NA                              | NA             |
| Intel Core2 Duo T5250 @ 1.50GHz  | 835                                     | 1666                      | NA                              | NA             |
| Intel Core2 Duo T5270 @ 1.40GHz  | 827                                     | 1670                      | NA                              | NA             |
| Intel Core2 Duo T5300 @ 1.73GHz  | 933                                     | 1611                      | NA                              | NA             |
| Intel Core2 Duo T5450 @ 1.66GHz  | 915                                     | 1624                      | NA                              | NA             |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core2 Duo T5470 @ 1.60GHz  | 927                                     | 1615                      | NA                              | NA             |
| Intel Core2 Duo T5500 @ 1.66GHz  | 923                                     | 1618                      | NA                              | NA             |
| Intel Core2 Duo T5550 @ 1.83GHz  | 1042                                    | 1548                      | NA                              | NA             |
| Intel Core2 Duo T5600 @ 1.83GHz  | 1028                                    | 1558                      | NA                              | NA             |
| Intel Core2 Duo T5670 @ 1.80GHz  | 1004                                    | 1569                      | NA                              | NA             |
| Intel Core2 Duo T5750 @ 2.00GHz  | 1089                                    | 1526                      | 21.80                           | \$49.99        |
| Intel Core2 Duo T5800 @ 2.00GHz  | 1117                                    | 1507                      | NA                              | NA             |
| Intel Core2 Duo T5850 @ 2.16GHz  | 1203                                    | 1464                      | 120.43                          | \$9.99         |
| Intel Core2 Duo T5870 @ 2.00GHz  | 1146                                    | 1496                      | NA                              | NA             |
| Intel Core2 Duo T5900 @ 2.20GHz  | 1267                                    | 1433                      | NA                              | NA             |
| Intel Core2 Duo T6400 @ 2.00GHz  | 1234                                    | 1452                      | 82.38                           | \$14.99*       |
| Intel Core2 Duo T6500 @ 2.10GHz  | 1309                                    | 1405                      | 87.35                           | \$14.99*       |
| Intel Core2 Duo T6570 @ 2.10GHz  | 1272                                    | 1430                      | 31.81                           | \$39.99        |
| Intel Core2 Duo T6600 @ 2.20GHz  | 1390                                    | 1361                      | 139.24                          | \$9.99*        |
| Intel Core2 Duo T6670 @ 2.20GHz  | 1387                                    | 1363                      | NA                              | NA             |
| Intel Core2 Duo T7100 @ 1.80GHz  | 1013                                    | 1564                      | 46.10                           | \$21.99*       |
| Intel Core2 Duo T7200 @ 2.00GHz  | 1180                                    | 1473                      | 59.15                           | \$19.95        |
| Intel Core2 Duo T7250 @ 2.00GHz  | 1118                                    | 1506                      | 5.55                            | \$201.48*      |
| Intel Core2 Duo T7300 @ 2.00GHz  | 1204                                    | 1463                      | 38.86                           | \$30.99*       |

| CPU Name                            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core2 Duo T7400 @ 2.16GHz     | 1266                                 | 1434                   | NA                           | NA          |
| Intel Core2 Duo T7500 @ 2.20GHz     | 1277                                 | 1424                   | 29.71                        | \$42.99*    |
| Intel Core2 Duo T7600 @ 2.33GHz     | 1331                                 | 1391                   | NA                           | NA          |
| Intel Core2 Duo T7700 @ 2.40GHz     | 1432                                 | 1346                   | 30.49                        | \$46.99*    |
| Intel Core2 Duo T7800 @ 2.60GHz     | 1631                                 | 1265                   | 2.68                         | \$607.99*   |
| Intel Core2 Duo T8100 @ 2.10GHz     | 1303                                 | 1410                   | 93.20                        | \$13.99*    |
| Intel Core2 Duo T8300 @ 2.40GHz     | 1494                                 | 1320                   | 6.98                         | \$213.99*   |
| Intel Core2 Duo T9300 @ 2.50GHz     | 1681                                 | 1241                   | 28.99                        | \$57.99*    |
| Intel Core2 Duo T9400 @ 2.53GHz     | 1761                                 | 1202                   | 35.23                        | \$49.99*    |
| Intel Core2 Duo T9500 @ 2.60GHz     | 1820                                 | 1176                   | NA                           | NA          |
| Intel Core2 Duo T9550 @ 2.66GHz     | 1796                                 | 1182                   | 6.01                         | \$298.95*   |
| Intel Core2 Duo T9600 @ 2.80GHz     | 1954                                 | 1126                   | 30.08                        | \$64.99*    |
| Intel Core2 Duo T9800 @ 2.93GHz     | 2058                                 | 1088                   | 4.86                         | \$423.89*   |
| Intel Core2 Duo T9900 @ 3.06GHz     | 2212                                 | 1039                   | 5.55                         | \$398.95*   |
| Intel Core2 Duo U7300 @ 1.30GHz     | 893                                  | 1632                   | NA                           | NA          |
| Intel Core2 Duo U7500 @ 1.06GHz     | 577                                  | 1773                   | NA                           | NA          |
| Intel Core2 Duo U7600 @ 1.20GHz     | 671                                  | 1731                   | NA                           | NA          |
| Intel Core2 Duo U7700 @ 1.33GHz     | 722                                  | 1706                   | NA                           | NA          |
| Intel Core2 Duo U9300 @ 1.20GHz     | 876                                  | 1639                   | NA                           | NA          |
| Intel Core2 Duo U9600 @ 1.60GHz     | 1139                                 | 1499                   | NA                           | NA          |
| Intel Core2 Duo X7360 @ 2.53GHz     | 1687                                 | 1237                   | NA                           | NA          |
| Intel Core2 Extreme Q6800 @ 2.93GHz | 3644                                 | 648                    | 3.24                         | \$1,125.00* |
| Intel Core2 Extreme Q6850 @ 3.00GHz | 3730                                 | 632                    | 2.49                         | \$1,495.95* |
| Intel Core2 Extreme Q9300 @ 2.53GHz | 3596                                 | 661                    | NA                           | NA          |
| Intel Core2 Extreme X6800 @ 2.93GHz | 1898                                 | 1144                   | 7.20                         | \$263.64*   |
| Intel Core2 Extreme X7800 @ 2.60GHz | 1802                                 | 1181                   | NA                           | NA          |
| Intel Core2 Extreme X7850 @ 2.80GHz | 1331                                 | 1392                   | NA                           | NA          |
| Intel Core2 Extreme X7900 @ 2.80GHz | 1701                                 | 1226                   | NA                           | NA          |
| Intel Core2 Extreme X9000 @ 2.80GHz | 1924                                 | 1137                   | NA                           | NA          |
| Intel Core2 Extreme X9100 @ 3.06GHz | 2162                                 | 1055                   | 2.54                         | \$851.00*   |
| CPU Name                            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core2 Extreme X9650 @ 3.00GHz | 4320                                 | 527                    | 4.28                         | \$1,008.95* |
| Intel Core2 Extreme X9750 @ 3.16GHz | 4813                                 | 456                    | NA                           | NA          |
| Intel Core2 Extreme X9770 @ 3.20GHz | 4676                                 | 473                    | 3.34                         | \$1,400.00* |
| Intel Core2 Extreme X9775 @ 3.20GHz | 4646                                 | 476                    | 4.67                         | \$995.00*   |
| Intel Core2 Quad Q6600 @ 2.40GHz    | 2988                                 | 813                    | 14.30                        | \$208.95    |
| Intel Core2 Quad Q6700 @ 2.66GHz    | 3338                                 | 724                    | 15.18                        | \$220.00*   |
| Intel Core2 Quad Q8200 @ 2.33GHz    | 2840                                 | 850                    | 17.22                        | \$164.99*   |
| Intel Core2 Quad Q8300 @ 2.50GHz    | 3036                                 | 798                    | 21.69                        | \$140.00*   |
| Intel Core2 Quad Q8400 @ 2.66GHz    | 3231                                 | 748                    | 27.33                        | \$118.26*   |
| Intel Core2 Quad Q9000 @ 2.00GHz    | 2558                                 | 929                    | 6.58                         | \$389.00*   |
| Intel Core2 Quad Q9100 @ 2.26GHz    | 3223                                 | 754                    | 8.35                         | \$385.89*   |
| Intel Core2 Quad Q9300 @ 2.50GHz    | 3197                                 | 760                    | 39.48                        | \$80.99     |
| Intel Core2 Quad Q9400 @ 2.66GHz    | 3427                                 | 709                    | 45.10                        | \$76.00*    |
| Intel Core2 Quad Q9450 @ 2.66GHz    | 3816                                 | 614                    | 11.38                        | \$335.25*   |
| Intel Core2 Quad Q9500 @ 2.83GHz    | 3700                                 | 637                    | 23.13                        | \$159.99*   |
| Intel Core2 Quad Q9505 @ 2.83GHz    | 3667                                 | 642                    | 14.84                        | \$247.23*   |
| Intel Core2 Quad Q9550 @ 2.83GHz    | 4050                                 | 572                    | 45.03                        | \$89.95     |
| Intel Core2 Quad Q9650 @ 3.00GHz    | 4273                                 | 538                    | 15.27                        | \$279.95    |
| Intel Core2 Quad Q9705 @ 3.16GHz    | 3947                                 | 591                    | NA                           | NA          |
| Intel Core2 Solo U2100 @ 1.06GHz    | 303                                  | 2042                   | NA                           | NA          |
| Intel Core2 Solo U2200 @ 1.20GHz    | 311                                  | 2028                   | NA                           | NA          |
| Intel Core2 Solo U3300 @ 1.20GHz    | 415                                  | 1904                   | NA                           | NA          |
| Intel Core2 Solo U3500 @ 1.40GHz    | 473                                  | 1852                   | NA                           | NA          |
| Intel Core 330 @ 1.60GHz            | 643                                  | 1743                   | NA                           | NA          |
| Intel Core 860 @ 2.80GHz            | 4550                                 | Insufficient data      | NA                           | NA          |
| Intel Core Duo L2300 @ 1.50GHz      | 719                                  | 1710                   | NA                           | NA          |
| Intel Core Duo L2400 @ 1.66GHz      | 705                                  | 1715                   | NA                           | NA          |
| Intel Core Duo L2500 @ 1.83GHz      | 728                                  | 1703                   | NA                           | NA          |
| Intel Core Duo T2050 @ 1.60GHz      | 706                                  | 1714                   | NA                           | NA          |
| Intel Core Duo T2250 @ 1.73GHz      | 770                                  | 1687                   | NA                           | NA          |
| Intel Core Duo T2300 @ 1.66GHz      | 740                                  | 1698                   | NA                           | NA          |
| Intel Core Duo T2350 @ 1.86GHz      | 780                                  | 1684                   | NA                           | NA          |
| Intel Core Duo T2400 @ 1.83GHz      | 800                                  | 1678                   | 50.04                        | \$16.00*    |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core Duo T2450 @ 2.00GHz | 846                                     | 1658                      | NA                              | NA             |
| Intel Core Duo T2500 @ 2.00GHz | 875                                     | 1640                      | 7.30                            | \$119.99*      |
| Intel Core Duo T2600 @ 2.16GHz | 933                                     | 1612                      | NA                              | NA             |
| Intel Core Duo T2700 @ 2.33GHz | 1047                                    | 1545                      | NA                              | NA             |
| Intel Core Duo U2400 @ 1.06GHz | 544                                     | 1792                      | NA                              | NA             |
| Intel Core Duo U2500 @ 1.20GHz | 512                                     | 1817                      | NA                              | NA             |
| Intel Core i3-330E @ 2.13GHz   | 1935                                    | 1134                      | NA                              | NA             |
| Intel Core i3-330M @ 2.13GHz   | 1804                                    | 1179                      | 86.12                           | \$20.95        |
| Intel Core i3-330UM @ 1.20GHz  | 1090                                    | 1524                      | NA                              | NA             |
| Intel Core i3-350M @ 2.27GHz   | 1911                                    | 1139                      | 9.15                            | \$208.95       |
| Intel Core i3-370M @ 2.40GHz   | 2040                                    | 1095                      | 37.80                           | \$53.99*       |
| Intel Core i3-380M @ 2.53GHz   | 2124                                    | 1070                      | 86.35                           | \$24.60        |
| Intel Core i3-380UM @ 1.33GHz  | 1167                                    | 1479                      | NA                              | NA             |
| Intel Core i3-390M @ 2.67GHz   | 2248                                    | 1021                      | 52.35                           | \$42.95        |
| Intel Core i3-530 @ 2.93GHz    | 2594                                    | 914                       | 30.62                           | \$84.75        |
| Intel Core i3-540 @ 3.07GHz    | 2706                                    | 886                       | 24.61                           | \$109.99       |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i3-550 @ 3.20GHz    | 2845                                    | 849                       | 25.88                           | \$109.99       |
| Intel Core i3-560 @ 3.33GHz    | 2995                                    | 810                       | 14.34                           | \$208.95       |
| Intel Core i3-2100 @ 3.10GHz   | 3640                                    | 649                       | 18.26                           | \$199.40       |
| Intel Core i3-2100T @ 2.50GHz  | 2814                                    | 861                       | 15.21                           | \$184.99*      |
| Intel Core i3-2102 @ 3.10GHz   | 3817                                    | 613                       | NA                              | NA             |
| Intel Core i3-2105 @ 3.10GHz   | 3707                                    | 635                       | 12.19                           | \$304.10       |
| Intel Core i3-2120 @ 3.30GHz   | 3880                                    | 603                       | 25.93                           | \$149.67       |
| Intel Core i3-2120T @ 2.60GHz  | 3168                                    | 768                       | 10.72                           | \$295.59       |
| Intel Core i3-2125 @ 3.30GHz   | 3987                                    | 586                       | 16.62                           | \$239.95       |
| Intel Core i3-2130 @ 3.40GHz   | 4064                                    | 571                       | 19.45                           | \$209.00       |
| Intel Core i3-2140 @ 3.50GHz   | 4325                                    | 524                       | NA                              | NA             |
| Intel Core i3-2310E @ 2.10GHz  | 2839                                    | 851                       | 12.62                           | \$225.00*      |
| Intel Core i3-2310M @ 2.10GHz  | 2418                                    | 967                       | 13.44                           | \$179.95*      |
| Intel Core i3-2312M @ 2.10GHz  | 2284                                    | 1006                      | NA                              | NA             |
| Intel Core i3-2328M @ 2.20GHz  | 2499                                    | 943                       | NA                              | NA             |
| Intel Core i3-2330E @ 2.20GHz  | 3004                                    | 807                       | NA                              | NA             |
| Intel Core i3-2330M @ 2.20GHz  | 2527                                    | 933                       | 14.85                           | \$170.20       |
| Intel Core i3-2332M @ 2.20GHz  | 2382                                    | 978                       | NA                              | NA             |
| Intel Core i3-2340UE @ 1.30GHz | 1719                                    | Insufficient data         | NA                              | NA             |
| Intel Core i3-2348M @ 2.30GHz  | 2609                                    | 910                       | NA                              | NA             |
| Intel Core i3-2350M @ 2.30GHz  | 2617                                    | 907                       | NA                              | NA             |
| Intel Core i3-2357M @ 1.30GHz  | 1622                                    | 1269                      | NA                              | NA             |
| Intel Core i3-2365M @ 1.40GHz  | 1677                                    | 1247                      | NA                              | NA             |
| Intel Core i3-2367M @ 1.40GHz  | 1690                                    | 1234                      | NA                              | NA             |
| Intel Core i3-2370M @ 2.40GHz  | 2743                                    | 881                       | 29.83                           | \$91.99*       |
| Intel Core i3-2375M @ 1.50GHz  | 1749                                    | 1205                      | NA                              | NA             |
| Intel Core i3-2377M @ 1.50GHz  | 1850                                    | 1165                      | NA                              | NA             |
| Intel Core i3-3110M @ 2.40GHz  | 3052                                    | 793                       | 32.14                           | \$95.00        |
| Intel Core i3-3120M @ 2.50GHz  | 3226                                    | 752                       | 27.34                           | \$117.99*      |
| Intel Core i3-3130M @ 2.60GHz  | 3362                                    | 721                       | NA                              | NA             |
| Intel Core i3-3210 @ 3.20GHz   | 3971                                    | 589                       | 13.53                           | \$293.59       |
| Intel Core i3-3217U @ 1.80GHz  | 2292                                    | 1001                      | 6.60                            | \$347.12*      |
| Intel Core i3-3217UE @ 1.60GHz | 2162                                    | 1056                      | NA                              | NA             |
| Intel Core i3-3220 @ 3.30GHz   | 4208                                    | 551                       | 28.07                           | \$149.95       |
| Intel Core i3-3220T @ 2.80GHz  | 3683                                    | 641                       | 21.67                           | \$169.99       |
| Intel Core i3-3225 @ 3.30GHz   | 4340                                    | 521                       | 14.07                           | \$308.50       |
| Intel Core i3-3227U @ 1.90GHz  | 2458                                    | 955                       | NA                              | NA             |
| Intel Core i3-3229Y @ 1.40GHz  | 1680                                    | 1244                      | NA                              | NA             |
| Intel Core i3-3240 @ 3.40GHz   | 4293                                    | 536                       | 28.72                           | \$149.50       |
| Intel Core i3-3240T @ 2.90GHz  | 3701                                    | 636                       | NA                              | NA             |
| Intel Core i3-3245 @ 3.40GHz   | 4249                                    | 544                       | 11.60                           | \$366.34       |
| Intel Core i3-3250 @ 3.50GHz   | 4450                                    | 506                       | 26.95                           | \$165.11       |
| Intel Core i3-3250T @ 3.00GHz  | 3021                                    | 800                       | NA                              | NA             |
| Intel Core i3-4000M @ 2.40GHz  | 3223                                    | 753                       | 11.73                           | \$274.94*      |
| Intel Core i3-4005U @ 1.70GHz  | 2457                                    | 956                       | NA                              | NA             |
| Intel Core i3-4010U @ 1.70GHz  | 2435                                    | 962                       | 7.38                            | \$329.99       |
| Intel Core i3-4010Y @ 1.30GHz  | 1827                                    | 1173                      | NA                              | NA             |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core i3-4012Y @ 1.50GHz  | 2201                                    | 1044                      | NA                              | NA             |
| Intel Core i3-4020Y @ 1.50GHz  | 2196                                    | 1046                      | NA                              | NA             |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i3-4025U @ 1.90GHz  | 2799                                    | 864                       | NA                              | NA             |
| Intel Core i3-4030U @ 1.90GHz  | 2690                                    | 890                       | NA                              | NA             |
| Intel Core i3-4030Y @ 1.60GHz  | 2471                                    | 951                       | NA                              | NA             |
| Intel Core i3-4100M @ 2.50GHz  | 3471                                    | 694                       | NA                              | NA             |
| Intel Core i3-4110M @ 2.60GHz  | 3873                                    | 604                       | NA                              | NA             |
| Intel Core i3-4110U @ 1.90GHz  | 2902                                    | Insufficient data         | NA                              | NA             |
| Intel Core i3-4120U @ 2.00GHz  | 3050                                    | Insufficient data         | NA                              | NA             |
| Intel Core i3-4130 @ 3.40GHz   | 4773                                    | 461                       | 39.45                           | \$120.99       |
| Intel Core i3-4130T @ 2.90GHz  | 4121                                    | 566                       | 26.94                           | \$153.00*      |
| Intel Core i3-4150 @ 3.50GHz   | 4895                                    | 448                       | 49.45                           | \$99.00        |
| Intel Core i3-4150T @ 3.00GHz  | 4175                                    | 557                       | 35.69                           | \$117.00*      |
| Intel Core i3-4158U @ 2.00GHz  | 2982                                    | 816                       | NA                              | NA             |
| Intel Core i3-4160 @ 3.60GHz   | 5028                                    | 430                       | 41.91                           | \$119.99       |
| Intel Core i3-4160T @ 3.10GHz  | 4383                                    | 516                       | NA                              | NA             |
| Intel Core i3-4170 @ 3.70GHz   | 5162                                    | 419                       | 43.02                           | \$119.99       |
| Intel Core i3-4170T @ 3.20GHz  | 4567                                    | 494                       | NA                              | NA             |
| Intel Core i3-4330 @ 3.50GHz   | 5056                                    | 428                       | 33.71                           | \$149.99       |
| Intel Core i3-4330T @ 3.00GHz  | 4487                                    | 501                       | NA                              | NA             |
| Intel Core i3-4330TE @ 2.40GHz | 3251                                    | 745                       | NA                              | NA             |
| Intel Core i3-4340 @ 3.60GHz   | 5225                                    | 409                       | 32.66                           | \$159.99*      |
| Intel Core i3-4350 @ 3.60GHz   | 5264                                    | 405                       | 34.63                           | \$152.00       |
| Intel Core i3-4350T @ 3.10GHz  | 4117                                    | 568                       | NA                              | NA             |
| Intel Core i3-4360 @ 3.70GHz   | 5477                                    | 385                       | 37.01                           | \$147.99       |
| Intel Core i3-4360T @ 3.20GHz  | 4630                                    | 481                       | NA                              | NA             |
| Intel Core i3-4370 @ 3.80GHz   | 5556                                    | 378                       | 37.80                           | \$146.99       |
| Intel Core i3-4570T @ 2.90GHz  | 5094                                    | 425                       | NA                              | NA             |
| Intel Core i3-5005U @ 2.00GHz  | 2887                                    | 841                       | NA                              | NA             |
| Intel Core i3-5010U @ 2.10GHz  | 3066                                    | 789                       | 8.59                            | \$357.00       |
| Intel Core i3-5015U @ 2.10GHz  | 3166                                    | 769                       | NA                              | NA             |
| Intel Core i3-5020U @ 2.20GHz  | 3197                                    | 761                       | NA                              | NA             |
| Intel Core i3-5157U @ 2.50GHz  | 3651                                    | 646                       | NA                              | NA             |
| Intel Core i3-6098P @ 3.60GHz  | 5282                                    | 403                       | 41.23                           | \$128.14       |
| Intel Core i3-6100 @ 3.70GHz   | 5497                                    | 383                       | 47.41                           | \$115.95       |
| Intel Core i3-6100E @ 2.70GHz  | 3083                                    | 785                       | NA                              | NA             |
| Intel Core i3-6100H @ 2.70GHz  | 3820                                    | 611                       | NA                              | NA             |
| Intel Core i3-6100T @ 3.20GHz  | 4746                                    | 464                       | 37.98                           | \$124.99       |
| Intel Core i3-6100TE @ 2.70GHz | 4311                                    | 531                       | NA                              | NA             |
| Intel Core i3-6100U @ 2.30GHz  | 3512                                    | 683                       | 6.82                            | \$514.99       |
| Intel Core i3-6300 @ 3.80GHz   | 5750                                    | 356                       | 39.12                           | \$146.99       |
| Intel Core i3-6300T @ 3.30GHz  | 5122                                    | 421                       | 30.57                           | \$167.55       |
| Intel Core i3-6320 @ 3.90GHz   | 6073                                    | 328                       | 37.96                           | \$159.99       |
| Intel Core i5 750S @ 2.40GHz   | 2197                                    | 1045                      | NA                              | NA             |
| Intel Core i5 E 520 @ 2.40GHz  | 2486                                    | Insufficient data         | NA                              | NA             |
| Intel Core i5-430M @ 2.27GHz   | 2123                                    | 1071                      | 19.30                           | \$109.99*      |
| Intel Core i5-430UM @ 1.20GHz  | 1339                                    | 1389                      | NA                              | NA             |
| Intel Core i5-450M @ 2.40GHz   | 2137                                    | 1066                      | NA                              | NA             |
| Intel Core i5-460M @ 2.53GHz   | 2353                                    | 985                       | 31.41                           | \$74.95        |
| Intel Core i5-470UM @ 1.33GHz  | 1298                                    | 1413                      | NA                              | NA             |
| Intel Core i5-480M @ 2.67GHz   | 2444                                    | 960                       | 30.95                           | \$78.98*       |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i5-520 @ 2.40GHz    | 2244                                    | 1026                      | NA                              | NA             |
| Intel Core i5-520M @ 2.40GHz   | 2400                                    | 972                       | 20.02                           | \$119.95       |
| Intel Core i5-520UM @ 1.07GHz  | 1394                                    | 1360                      | NA                              | NA             |
| Intel Core i5-540M @ 2.53GHz   | 2448                                    | 959                       | 62.85                           | \$38.95*       |
| Intel Core i5-540UM @ 1.20GHz  | 1364                                    | 1374                      | NA                              | NA             |
| Intel Core i5-560M @ 2.67GHz   | 2633                                    | 902                       | 16.46                           | \$159.95*      |
| Intel Core i5-560UM @ 1.33GHz  | 1727                                    | 1214                      | NA                              | NA             |
| Intel Core i5-580M @ 2.67GHz   | 2688                                    | 892                       | NA                              | NA             |
| Intel Core i5-650 @ 3.20GHz    | 3142                                    | 775                       | 13.97                           | \$224.95       |

| CPU Name                      | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core i5-655K @ 3.20GHz  | 3318                                    | 726                       | NA                              | NA             |
| Intel Core i5-660 @ 3.33GHz   | 3303                                    | 731                       | 13.94                           | \$237.00       |
| Intel Core i5-661 @ 3.33GHz   | 3227                                    | 751                       | 15.37                           | \$210.00*      |
| Intel Core i5-670 @ 3.47GHz   | 3349                                    | 723                       | 10.81                           | \$309.99*      |
| Intel Core i5-680 @ 3.60GHz   | 3593                                    | 663                       | 12.48                           | \$287.95       |
| Intel Core i5-750 @ 2.67GHz   | 3737                                    | 631                       | 15.57                           | \$239.99       |
| Intel Core i5-760 @ 2.80GHz   | 3926                                    | 596                       | 17.07                           | \$229.99       |
| Intel Core i5-2300 @ 2.80GHz  | 5279                                    | 404                       | 25.26                           | \$209.00       |
| Intel Core i5-2310 @ 2.90GHz  | 5466                                    | 388                       | 32.16                           | \$169.99*      |
| Intel Core i5-2320 @ 3.00GHz  | 5693                                    | 364                       | 19.27                           | \$295.45       |
| Intel Core i5-2380P @ 3.10GHz | 5728                                    | 360                       | 27.03                           | \$211.91*      |
| Intel Core i5-2390T @ 2.70GHz | 4288                                    | 537                       | NA                              | NA             |
| Intel Core i5-2400 @ 3.10GHz  | 5839                                    | 349                       | 27.81                           | \$210.00       |
| Intel Core i5-2400S @ 2.50GHz | 4873                                    | 452                       | 14.34                           | \$339.95       |
| Intel Core i5-2405S @ 2.50GHz | 4917                                    | 444                       | 10.43                           | \$471.59*      |
| Intel Core i5-2410M @ 2.30GHz | 3164                                    | 770                       | 10.41                           | \$304.10*      |
| Intel Core i5-2415M @ 2.30GHz | 3284                                    | 738                       | NA                              | NA             |
| Intel Core i5-2430M @ 2.40GHz | 3275                                    | 740                       | 55.56                           | \$58.95        |
| Intel Core i5-2435M @ 2.40GHz | 3333                                    | 725                       | NA                              | NA             |
| Intel Core i5-2450M @ 2.50GHz | 3405                                    | 715                       | 64.31                           | \$52.95*       |
| Intel Core i5-2450P @ 3.20GHz | 6057                                    | 331                       | 28.18                           | \$214.99*      |
| Intel Core i5-2467M @ 1.60GHz | 2333                                    | 990                       | NA                              | NA             |
| Intel Core i5-2500 @ 3.30GHz  | 6237                                    | 318                       | 29.01                           | \$214.99       |
| Intel Core i5-2500K @ 3.30GHz | 6452                                    | 304                       | 13.17                           | \$489.95       |
| Intel Core i5-2500S @ 2.70GHz | 5171                                    | 416                       | 34.02                           | \$152.00*      |
| Intel Core i5-2500T @ 2.30GHz | 4578                                    | 492                       | NA                              | NA             |
| Intel Core i5-2510E @ 2.50GHz | 3614                                    | 657                       | NA                              | NA             |
| Intel Core i5-2515E @ 2.50GHz | 3313                                    | 728                       | NA                              | NA             |
| Intel Core i5-2520M @ 2.50GHz | 3551                                    | 671                       | 17.16                           | \$206.90*      |
| Intel Core i5-2537M @ 1.40GHz | 2131                                    | 1067                      | NA                              | NA             |
| Intel Core i5-2540M @ 2.60GHz | 3747                                    | 627                       | 34.08                           | \$109.95       |
| Intel Core i5-2550K @ 3.40GHz | 6688                                    | 285                       | 13.39                           | \$499.60*      |
| Intel Core i5-2557M @ 1.70GHz | 2676                                    | 893                       | NA                              | NA             |
| Intel Core i5-2560M @ 2.70GHz | 3752                                    | 625                       | NA                              | NA             |
| Intel Core i5-3210M @ 2.50GHz | 3791                                    | 618                       | 17.24                           | \$219.95       |
| Intel Core i5-3230M @ 2.60GHz | 3914                                    | 600                       | 17.40                           | \$225.00*      |
| Intel Core i5-3317U @ 1.70GHz | 3090                                    | 782                       | 13.74                           | \$225.00*      |
| Intel Core i5-3320M @ 2.60GHz | 4002                                    | 581                       | 16.68                           | \$239.99*      |
| Intel Core i5-3330 @ 3.00GHz  | 5860                                    | 346                       | 16.28                           | \$359.95*      |
| Intel Core i5-3330S @ 2.70GHz | 5587                                    | 373                       | 15.52                           | \$359.95*      |
| CPU Name                      | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i5-3335S @ 2.70GHz | 5768                                    | 354                       | NA                              | NA             |
| Intel Core i5-3337U @ 1.80GHz | 3218                                    | 756                       | 14.30                           | \$225.00*      |
| Intel Core i5-3339Y @ 1.50GHz | 2190                                    | 1047                      | NA                              | NA             |
| Intel Core i5-3340 @ 3.10GHz  | 5976                                    | 337                       | 34.15                           | \$175.00       |
| Intel Core i5-3340M @ 2.70GHz | 4172                                    | 558                       | NA                              | NA             |
| Intel Core i5-3340S @ 2.80GHz | 5717                                    | 361                       | 28.59                           | \$199.99*      |
| Intel Core i5-3350P @ 3.10GHz | 6082                                    | 327                       | 32.01                           | \$189.99*      |
| Intel Core i5-3360M @ 2.80GHz | 4362                                    | 519                       | 18.23                           | \$239.36*      |
| Intel Core i5-3380M @ 2.90GHz | 4293                                    | 535                       | NA                              | NA             |
| Intel Core i5-3427U @ 1.80GHz | 3529                                    | 676                       | 8.40                            | \$420.05*      |
| Intel Core i5-3437U @ 1.90GHz | 3585                                    | 664                       | NA                              | NA             |
| Intel Core i5-3439Y @ 1.50GHz | 2933                                    | 830                       | NA                              | NA             |
| Intel Core i5-3450 @ 3.10GHz  | 6451                                    | 305                       | 19.40                           | \$332.50*      |
| Intel Core i5-3450S @ 2.80GHz | 6058                                    | 330                       | 33.85                           | \$179.00       |
| Intel Core i5-3470 @ 3.20GHz  | 6568                                    | 295                       | 24.88                           | \$264.00       |
| Intel Core i5-3470S @ 2.90GHz | 6185                                    | 321                       | 29.46                           | \$209.99       |
| Intel Core i5-3470T @ 2.90GHz | 4484                                    | 502                       | 14.52                           | \$308.95*      |
| Intel Core i5-3475S @ 2.90GHz | 6348                                    | 311                       | NA                              | NA             |
| Intel Core i5-3550 @ 3.30GHz  | 6824                                    | 276                       | 34.29                           | \$199.00       |
| Intel Core i5-3550S @ 3.00GHz | 6776                                    | 278                       | NA                              | NA             |
| Intel Core i5-3570 @ 3.40GHz  | 6978                                    | 270                       | 21.81                           | \$320.00       |
| Intel Core i5-3570K @ 3.40GHz | 7141                                    | 257                       | 16.65                           | \$428.99       |
| Intel Core i5-3570S @ 3.10GHz | 6488                                    | 301                       | NA                              | NA             |

| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core i5-3570T @ 2.30GHz     | 5821                                    | 351                       | NA                              | NA             |
| Intel Core i5-3610ME @ 2.70GHz    | 3635                                    | 650                       | NA                              | NA             |
| Intel Core i5-4200H @ 2.80GHz     | 4395                                    | 513                       | NA                              | NA             |
| Intel Core i5-4200M @ 2.50GHz     | 4043                                    | 575                       | 22.46                           | \$179.99*      |
| Intel Core i5-4200U @ 1.60GHz     | 3262                                    | 743                       | NA                              | NA             |
| Intel Core i5-4200Y @ 1.40GHz     | 2352                                    | 986                       | NA                              | NA             |
| Intel Core i5-4202Y @ 1.60GHz     | 2273                                    | 1011                      | NA                              | NA             |
| Intel Core i5-4210H @ 2.90GHz     | 4530                                    | 496                       | NA                              | NA             |
| Intel Core i5-4210M @ 2.60GHz     | 4215                                    | 549                       | 19.80                           | \$212.93*      |
| Intel Core i5-4210U @ 1.70GHz     | 3384                                    | 718                       | NA                              | NA             |
| Intel Core i5-4210Y @ 1.50GHz     | 2343                                    | 989                       | NA                              | NA             |
| Intel Core i5-4220Y @ 1.60GHz     | 2384                                    | 977                       | NA                              | NA             |
| Intel Core i5-4250U @ 1.30GHz     | 3459                                    | 698                       | 9.64                            | \$359.00       |
| Intel Core i5-4258U @ 2.40GHz     | 4045                                    | 574                       | NA                              | NA             |
| Intel Core i5-4260U @ 1.40GHz     | 3548                                    | 672                       | NA                              | NA             |
| Intel Core i5-4278U @ 2.60GHz     | 4324                                    | 525                       | NA                              | NA             |
| Intel Core i5-4288U @ 2.60GHz     | 4423                                    | 509                       | NA                              | NA             |
| Intel Core i5-4300M @ 2.60GHz     | 4388                                    | 515                       | NA                              | NA             |
| Intel Core i5-4300U @ 1.90GHz     | 3748                                    | 626                       | NA                              | NA             |
| Intel Core i5-4300Y @ 1.60GHz     | 2565                                    | 927                       | NA                              | NA             |
| Intel Core i5-4302Y @ 1.60GHz     | 3003                                    | 808                       | NA                              | NA             |
| Intel Core i5-4308U @ 2.80GHz     | 4633                                    | 479                       | NA                              | NA             |
| Intel Core i5-4310M @ 2.70GHz     | 4526                                    | 497                       | NA                              | NA             |
| Intel Core i5-4310U @ 2.00GHz     | 3755                                    | 624                       | NA                              | NA             |
| Intel Core i5-4330M @ 2.80GHz     | 4669                                    | 474                       | 16.98                           | \$274.99*      |
| Intel Core i5-4340M @ 2.90GHz     | 4936                                    | 441                       | NA                              | NA             |
| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i5-4350U @ 1.40GHz     | 3610                                    | 659                       | NA                              | NA             |
| Intel Core i5-4400E @ 2.70GHz     | 1271                                    | Insufficient data         | NA                              | NA             |
| Intel Core i5-4402E @ 1.60GHz     | 3947                                    | Insufficient data         | NA                              | NA             |
| Intel Core i5-4430 @ 3.00GHz      | 6247                                    | 316                       | 33.77                           | \$184.99       |
| Intel Core i5-4430S @ 2.70GHz     | 5914                                    | 341                       | NA                              | NA             |
| Intel Core i5-4440 @ 3.10GHz      | 6410                                    | 308                       | 33.74                           | \$189.99       |
| Intel Core i5-4440S @ 2.80GHz     | 6116                                    | 324                       | 31.86                           | \$191.99       |
| Intel Core i5-4460 @ 3.20GHz      | 6616                                    | 291                       | 35.01                           | \$189.00       |
| Intel Core i5-4460S @ 2.90GHz     | 6347                                    | 312                       | NA                              | NA             |
| Intel Core i5-4460T @ 1.90GHz     | 4882                                    | 450                       | NA                              | NA             |
| Intel Core i5-4570 @ 3.20GHz      | 7014                                    | 269                       | 35.08                           | \$199.99       |
| Intel Core i5-4570R @ 2.70GHz     | 6485                                    | 302                       | NA                              | NA             |
| Intel Core i5-4570S @ 2.90GHz     | 6617                                    | 290                       | 33.94                           | \$194.99       |
| Intel Core i5-4570T @ 2.90GHz     | 4792                                    | 458                       | 24.46                           | \$195.99       |
| Intel Core i5-4570TE @ 2.70GHz    | 3433                                    | 706                       | NA                              | NA             |
| Intel Core i5-4590 @ 3.30GHz      | 7204                                    | 252                       | 36.20                           | \$198.99       |
| Intel Core i5-4590S @ 3.00GHz     | 6957                                    | 271                       | 33.13                           | \$209.99       |
| Intel Core i5-4590T @ 2.00GHz     | 5474                                    | 386                       | NA                              | NA             |
| Intel Core i5-4670 @ 3.40GHz      | 7350                                    | 246                       | 32.38                           | \$226.99       |
| Intel Core i5-4670K @ 3.40GHz     | 7614                                    | 233                       | 20.58                           | \$369.99       |
| Intel Core i5-4670K CPT @ 3.40GHz | 7411                                    | Insufficient data         | NA                              | NA             |
| Intel Core i5-4670S @ 3.10GHz     | 6436                                    | 306                       | NA                              | NA             |
| Intel Core i5-4670T @ 2.30GHz     | 6240                                    | 317                       | 20.53                           | \$304.00*      |
| Intel Core i5-4690 @ 3.50GHz      | 7619                                    | 231                       | 34.02                           | \$223.99       |
| Intel Core i5-4690K @ 3.50GHz     | 7704                                    | 227                       | 32.10                           | \$239.99       |
| Intel Core i5-4690S @ 3.20GHz     | 7397                                    | 244                       | 33.62                           | \$220.00       |
| Intel Core i5-4690T @ 2.50GHz     | 6680                                    | 286                       | NA                              | NA             |
| Intel Core i5-5200U @ 2.20GHz     | 3502                                    | 687                       | NA                              | NA             |
| Intel Core i5-5250U @ 1.60GHz     | 3631                                    | 651                       | 8.22                            | \$441.89*      |
| Intel Core i5-5257U @ 2.70GHz     | 4330                                    | 523                       | NA                              | NA             |
| Intel Core i5-5287U @ 2.90GHz     | 4625                                    | 483                       | NA                              | NA             |
| Intel Core i5-5300U @ 2.30GHz     | 3772                                    | 622                       | 7.32                            | \$515.00*      |
| Intel Core i5-5350U @ 1.80GHz     | 2856                                    | 845                       | NA                              | NA             |
| Intel Core i5-5575R @ 2.80GHz     | 6655                                    | Insufficient data         | NA                              | NA             |
| Intel Core i5-5675C @ 3.10GHz     | 8053                                    | 209                       | 27.77                           | \$289.99       |
| Intel Core i5-6200U @ 2.30GHz     | 3922                                    | 597                       | NA                              | NA             |
| Intel Core i5-6260U @ 1.80GHz     | 4302                                    | 533                       | 8.29                            | \$518.99*      |



| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core i5-6267U @ 2.90GHz  | 4653                                    | 475                       | NA                              | NA             |
| Intel Core i5-6300HQ @ 2.30GHz | 5775                                    | 353                       | NA                              | NA             |
| Intel Core i5-6300U @ 2.40GHz  | 4306                                    | 532                       | NA                              | NA             |
| Intel Core i5-6400 @ 2.70GHz   | 6551                                    | 296                       | 37.02                           | \$177.00       |
| Intel Core i5-6400T @ 2.20GHz  | 5309                                    | 401                       | 33.39                           | \$159.00       |
| Intel Core i5-6402P @ 2.80GHz  | 6699                                    | 284                       | 32.93                           | \$203.46       |
| Intel Core i5-6440HQ @ 2.60GHz | 6368                                    | 310                       | NA                              | NA             |
| Intel Core i5-6500 @ 3.20GHz   | 7043                                    | 265                       | 34.36                           | \$204.99       |
| Intel Core i5-6500T @ 2.50GHz  | 5740                                    | 359                       | NA                              | NA             |
| Intel Core i5-6500TE @ 2.30GHz | 5655                                    | 367                       | NA                              | NA             |
| Intel Core i5-6600 @ 3.30GHz   | 7609                                    | 234                       | 33.09                           | \$229.99       |
| Intel Core i5-6600K @ 3.50GHz  | 7797                                    | 221                       | 32.11                           | \$242.81       |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i5-6600T @ 2.70GHz  | 7061                                    | 264                       | 14.95                           | \$472.40*      |
| Intel Core i5-24050S @ 2.50GHz | 4928                                    | Insufficient data         | NA                              | NA             |
| Intel Core i7-610 @ 2.53GHz    | 1969                                    | 1117                      | NA                              | NA             |
| Intel Core i7-610E @ 2.53GHz   | 2425                                    | 965                       | NA                              | NA             |
| Intel Core i7-620LM @ 2.00GHz  | 2121                                    | 1072                      | NA                              | NA             |
| Intel Core i7-620M @ 2.67GHz   | 2775                                    | 869                       | 37.01                           | \$75.00        |
| Intel Core i7-620UM @ 1.07GHz  | 1239                                    | 1450                      | NA                              | NA             |
| Intel Core i7-640LM @ 2.13GHz  | 2252                                    | 1020                      | NA                              | NA             |
| Intel Core i7-640M @ 2.80GHz   | 2889                                    | 840                       | 16.60                           | \$174.06       |
| Intel Core i7-640UM @ 1.20GHz  | 1702                                    | 1225                      | NA                              | NA             |
| Intel Core i7-660UM @ 1.33GHz  | 2001                                    | 1111                      | NA                              | NA             |
| Intel Core i7-680UM @ 1.47GHz  | 1791                                    | 1187                      | NA                              | NA             |
| Intel Core i7-720QM @ 1.60GHz  | 3049                                    | 795                       | 29.08                           | \$104.87*      |
| Intel Core i7-740QM @ 1.73GHz  | 3230                                    | 749                       | 20.19                           | \$159.95*      |
| Intel Core i7-820QM @ 1.73GHz  | 3275                                    | 739                       | 30.62                           | \$106.95*      |
| Intel Core i7-840QM @ 1.87GHz  | 3423                                    | 712                       | 9.51                            | \$359.95*      |
| Intel Core i7-860 @ 2.80GHz    | 5097                                    | 424                       | 23.09                           | \$220.74       |
| Intel Core i7-860S @ 2.53GHz   | 4776                                    | 460                       | 16.00                           | \$298.45*      |
| Intel Core i7-870 @ 2.93GHz    | 5464                                    | 389                       | 21.94                           | \$249.00       |
| Intel Core i7-870S @ 2.67GHz   | 5052                                    | 429                       | NA                              | NA             |
| Intel Core i7-875K @ 2.93GHz   | 5504                                    | 382                       | 15.98                           | \$344.55       |
| Intel Core i7-880 @ 3.07GHz    | 5670                                    | 366                       | 9.73                            | \$583.00*      |
| Intel Core i7-920 @ 2.67GHz    | 4995                                    | 434                       | 16.12                           | \$309.95       |
| Intel Core i7-920XM @ 2.00GHz  | 3831                                    | 609                       | 24.11                           | \$158.95       |
| Intel Core i7-930 @ 2.80GHz    | 5220                                    | 411                       | 10.26                           | \$508.95       |
| Intel Core i7-940 @ 2.93GHz    | 5454                                    | 391                       | 13.30                           | \$409.95*      |
| Intel Core i7-940XM @ 2.13GHz  | 4067                                    | 570                       | NA                              | NA             |
| Intel Core i7-950 @ 3.07GHz    | 5639                                    | 370                       | 18.63                           | \$302.78       |
| Intel Core i7-960 @ 3.20GHz    | 5913                                    | 342                       | 12.86                           | \$459.95       |
| Intel Core i7-965 @ 3.20GHz    | 5903                                    | 344                       | 3.91                            | \$1,508.95     |
| Intel Core i7-970 @ 3.20GHz    | 8533                                    | 189                       | 9.92                            | \$859.95       |
| Intel Core i7-975 @ 3.33GHz    | 6276                                    | 314                       | 20.99                           | \$299.00       |
| Intel Core i7-980 @ 3.33GHz    | 8838                                    | 177                       | 7.97                            | \$1,108.95*    |
| Intel Core i7-980X @ 3.33GHz   | 8972                                    | 167                       | 17.98                           | \$499.00       |
| Intel Core i7-985 @ 3.47GHz    | 6641                                    | Insufficient data         | NA                              | NA             |
| Intel Core i7-990X @ 3.47GHz   | 9245                                    | 153                       | 6.12                            | \$1,509.99     |
| Intel Core i7-995X @ 3.60GHz   | 10637                                   | 82                        | NA                              | NA             |
| Intel Core i7-2600 @ 3.40GHz   | 8264                                    | 201                       | 17.43                           | \$474.03       |
| Intel Core i7-2600K @ 3.40GHz  | 8515                                    | 190                       | 17.01                           | \$500.59       |
| Intel Core i7-2600S @ 2.80GHz  | 7087                                    | 260                       | 27.80                           | \$254.99       |
| Intel Core i7-2610UE @ 1.50GHz | 2481                                    | 949                       | NA                              | NA             |
| Intel Core i7-2617M @ 1.50GHz  | 2727                                    | 884                       | NA                              | NA             |
| Intel Core i7-2620M @ 2.70GHz  | 3823                                    | 610                       | 24.05                           | \$159.00       |
| Intel Core i7-2630QM @ 2.00GHz | 5566                                    | 376                       | 30.10                           | \$184.95*      |
| Intel Core i7-2630UM @ 1.60GHz | 3204                                    | 758                       | NA                              | NA             |
| Intel Core i7-2635QM @ 2.00GHz | 5457                                    | 390                       | NA                              | NA             |
| Intel Core i7-2637M @ 1.70GHz  | 2832                                    | 855                       | NA                              | NA             |
| Intel Core i7-2640M @ 2.80GHz  | 3921                                    | 599                       | 19.23                           | \$203.90*      |
| Intel Core i7-2655LE @ 2.20GHz | 3007                                    | 804                       | NA                              | NA             |
| CPU Name                       |                                         | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |

| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| <b>Passmark CPU Mark (higher is better)</b> |                                      |                        |                              |             |
| Intel Core i7-2670QM @ 2.20GHz              | 5951                                 | 339                    | 15.75                        | \$378.00*   |
| Intel Core i7-2675QM @ 2.20GHz              | 5646                                 | 368                    | NA                           | NA          |
| Intel Core i7-2677M @ 1.80GHz               | 2792                                 | 866                    | NA                           | NA          |
| Intel Core i7-2700K @ 3.50GHz               | 8814                                 | 178                    | 16.36                        | \$538.76    |
| Intel Core i7-2710QE @ 2.10GHz              | 5398                                 | 397                    | NA                           | NA          |
| Intel Core i7-2715QE @ 2.10GHz              | 5262                                 | 406                    | NA                           | NA          |
| Intel Core i7-2720QM @ 2.20GHz              | 6124                                 | 323                    | 19.82                        | \$309.00*   |
| Intel Core i7-2760QM @ 2.40GHz              | 6654                                 | 287                    | 39.00                        | \$170.62*   |
| Intel Core i7-2820QM @ 2.30GHz              | 6643                                 | 288                    | 17.26                        | \$385.00*   |
| Intel Core i7-2840QM @ 2.40GHz              | 6766                                 | 280                    | NA                           | NA          |
| Intel Core i7-2860QM @ 2.50GHz              | 7112                                 | 259                    | 11.86                        | \$599.99*   |
| Intel Core i7-2920XM @ 2.50GHz              | 7068                                 | 262                    | 11.61                        | \$608.95*   |
| Intel Core i7-2960XM @ 2.70GHz              | 7292                                 | 250                    | 6.65                         | \$1,096.00* |
| Intel Core i7-3517U @ 1.90GHz               | 3619                                 | 655                    | NA                           | NA          |
| Intel Core i7-3517UE @ 1.70GHz              | 3395                                 | 716                    | NA                           | NA          |
| Intel Core i7-3520M @ 2.90GHz               | 4525                                 | 498                    | NA                           | NA          |
| Intel Core i7-3537U @ 2.00GHz               | 3851                                 | 608                    | NA                           | NA          |
| Intel Core i7-3540M @ 3.00GHz               | 4615                                 | 486                    | 13.24                        | \$348.54*   |
| Intel Core i7-3555LE @ 2.50GHz              | 4118                                 | 567                    | NA                           | NA          |
| Intel Core i7-3610QE @ 2.30GHz              | 6193                                 | 320                    | NA                           | NA          |
| Intel Core i7-3610QM @ 2.30GHz              | 7463                                 | 241                    | 18.66                        | \$399.99*   |
| Intel Core i7-3612QE @ 2.10GHz              | 6610                                 | 293                    | NA                           | NA          |
| Intel Core i7-3612QM @ 2.10GHz              | 6830                                 | 275                    | NA                           | NA          |
| Intel Core i7-3615QE @ 2.30GHz              | 6758                                 | 281                    | NA                           | NA          |
| Intel Core i7-3615QM @ 2.30GHz              | 7373                                 | 245                    | NA                           | NA          |
| Intel Core i7-3630QM @ 2.40GHz              | 7619                                 | 232                    | 24.66                        | \$309.00*   |
| Intel Core i7-3632QM @ 2.20GHz              | 6930                                 | 273                    | 17.77                        | \$389.95    |
| Intel Core i7-3635QM @ 2.40GHz              | 6612                                 | 292                    | NA                           | NA          |
| Intel Core i7-3667U @ 2.00GHz               | 3932                                 | 595                    | NA                           | NA          |
| Intel Core i7-3687U @ 2.10GHz               | 4254                                 | 542                    | NA                           | NA          |
| Intel Core i7-3689Y @ 1.50GHz               | 3485                                 | 691                    | NA                           | NA          |
| Intel Core i7-3720QM @ 2.60GHz              | 8210                                 | 205                    | 26.49                        | \$309.99*   |
| Intel Core i7-3740 @ 3.40GHz                | 10408                                | 87                     | NA                           | NA          |
| Intel Core i7-3740QM @ 2.70GHz              | 8400                                 | 197                    | 20.54                        | \$409.00    |
| Intel Core i7-3770 @ 3.40GHz                | 9338                                 | 144                    | 26.06                        | \$358.34    |
| Intel Core i7-3770K @ 3.50GHz               | 9568                                 | 128                    | 18.10                        | \$528.50    |
| Intel Core i7-3770S @ 3.10GHz               | 8893                                 | 175                    | 25.85                        | \$344.04    |
| Intel Core i7-3770T @ 2.50GHz               | 8211                                 | 204                    | 24.88                        | \$329.99*   |
| Intel Core i7-3820 @ 3.60GHz                | 8998                                 | 165                    | 19.43                        | \$463.06    |
| Intel Core i7-3820QM @ 2.70GHz              | 8508                                 | 191                    | 14.11                        | \$602.97*   |
| Intel Core i7-3840QM @ 2.80GHz              | 8904                                 | 174                    | 16.49                        | \$539.95    |
| Intel Core i7-3920XM @ 2.90GHz              | 9226                                 | 154                    | 8.42                         | \$1,096.00* |
| Intel Core i7-3930K @ 3.20GHz               | 12050                                | 68                     | 19.73                        | \$610.75    |
| Intel Core i7-3940XM @ 3.00GHz              | 9447                                 | 138                    | 17.18                        | \$549.99*   |
| Intel Core i7-3960X @ 3.30GHz               | 12734                                | 62                     | 12.59                        | \$1,011.79  |
| Intel Core i7-3970X @ 3.50GHz               | 12655                                | 63                     | 9.18                         | \$1,377.90  |
| Intel Core i7-4500U @ 1.80GHz               | 3794                                 | 617                    | NA                           | NA          |
| Intel Core i7-4510U @ 2.00GHz               | 3937                                 | 593                    | NA                           | NA          |
| Intel Core i7-4550U @ 1.50GHz               | 3936                                 | 594                    | NA                           | NA          |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-4558U @ 2.80GHz               | 4313                                 | 529                    | NA                           | NA          |
| Intel Core i7-4578U @ 3.00GHz               | 4959                                 | 438                    | NA                           | NA          |
| Intel Core i7-4600M @ 2.90GHz               | 4777                                 | 459                    | NA                           | NA          |
| Intel Core i7-4600U @ 2.10GHz               | 4140                                 | 561                    | NA                           | NA          |
| Intel Core i7-4610M @ 3.00GHz               | 5115                                 | 422                    | NA                           | NA          |
| Intel Core i7-4610Y @ 1.70GHz               | 3738                                 | 630                    | NA                           | NA          |
| Intel Core i7-4650U @ 1.70GHz               | 4049                                 | 573                    | NA                           | NA          |
| Intel Core i7-4700EQ @ 2.40GHz              | 7325                                 | 247                    | NA                           | NA          |
| Intel Core i7-4700HQ @ 2.40GHz              | 7773                                 | 222                    | 20.30                        | \$383.00*   |
| Intel Core i7-4700MQ @ 2.40GHz              | 7751                                 | 224                    | 41.02                        | \$188.95*   |
| Intel Core i7-4702HQ @ 2.20GHz              | 7517                                 | 237                    | NA                           | NA          |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-4702MQ @ 2.20GHz | 7148                                 | 256                    | NA                           | NA          |
| Intel Core i7-4710HQ @ 2.50GHz | 7852                                 | 219                    | NA                           | NA          |
| Intel Core i7-4710MQ @ 2.50GHz | 8004                                 | 213                    | 36.55                        | \$219.00*   |
| Intel Core i7-4712HQ @ 2.30GHz | 7490                                 | 240                    | NA                           | NA          |
| Intel Core i7-4712MQ @ 2.30GHz | 7193                                 | 254                    | NA                           | NA          |
| Intel Core i7-4720HQ @ 2.60GHz | 8078                                 | 208                    | NA                           | NA          |
| Intel Core i7-4722HQ @ 2.40GHz | 8052                                 | 210                    | NA                           | NA          |
| Intel Core i7-4750HQ @ 2.00GHz | 8232                                 | 203                    | NA                           | NA          |
| Intel Core i7-4760HQ @ 2.10GHz | 9101                                 | 159                    | NA                           | NA          |
| Intel Core i7-4765T @ 2.00GHz  | 7310                                 | 249                    | NA                           | NA          |
| Intel Core i7-4770 @ 3.40GHz   | 9822                                 | 115                    | 31.99                        | \$306.99    |
| Intel Core i7-4770HQ @ 2.20GHz | 8935                                 | 170                    | NA                           | NA          |
| Intel Core i7-4770K @ 3.50GHz  | 10147                                | 96                     | 21.80                        | \$465.46    |
| Intel Core i7-4770R @ 3.20GHz  | 9830                                 | 112                    | NA                           | NA          |
| Intel Core i7-4770S @ 3.10GHz  | 9372                                 | 142                    | 30.93                        | \$302.99    |
| Intel Core i7-4770T @ 2.50GHz  | 8666                                 | 184                    | 16.60                        | \$522.15    |
| Intel Core i7-4770TE @ 2.30GHz | 7065                                 | 263                    | NA                           | NA          |
| Intel Core i7-4771 @ 3.50GHz   | 9876                                 | 109                    | 31.55                        | \$313.00    |
| Intel Core i7-4785T @ 2.20GHz  | 7513                                 | 238                    | NA                           | NA          |
| Intel Core i7-4790 @ 3.60GHz   | 10016                                | 102                    | 32.84                        | \$304.99    |
| Intel Core i7-4790K @ 4.00GHz  | 11201                                | 76                     | 32.95                        | \$339.99    |
| Intel Core i7-4790S @ 3.20GHz  | 9628                                 | 125                    | 31.57                        | \$304.99    |
| Intel Core i7-4790T @ 2.70GHz  | 9085                                 | 162                    | NA                           | NA          |
| Intel Core i7-4800MQ @ 2.70GHz | 8559                                 | 188                    | 16.79                        | \$509.95*   |
| Intel Core i7-4810MQ @ 2.80GHz | 8722                                 | 180                    | 13.12                        | \$664.62*   |
| Intel Core i7-4820K @ 3.70GHz  | 9775                                 | 118                    | 16.78                        | \$582.64    |
| Intel Core i7-4850HQ @ 2.30GHz | 9114                                 | 157                    | 21.00                        | \$434.00*   |
| Intel Core i7-4860EQ @ 1.80GHz | 7933                                 | Insufficient data      | NA                           | NA          |
| Intel Core i7-4860HQ @ 2.40GHz | 9308                                 | 149                    | NA                           | NA          |
| Intel Core i7-4870HQ @ 2.50GHz | 9412                                 | 140                    | NA                           | NA          |
| Intel Core i7-4900MQ @ 2.80GHz | 9087                                 | 161                    | 14.29                        | \$635.70*   |
| Intel Core i7-4910MQ @ 2.90GHz | 9493                                 | 132                    | 16.23                        | \$584.99    |
| Intel Core i7-4930K @ 3.40GHz  | 13067                                | 57                     | 16.83                        | \$776.36    |
| Intel Core i7-4930MX @ 3.00GHz | 9465                                 | 135                    | 8.64                         | \$1,096.00* |
| Intel Core i7-4940MX @ 3.10GHz | 9661                                 | 124                    | 9.58                         | \$1,008.95* |
| Intel Core i7-4960HQ @ 2.60GHz | 9824                                 | 114                    | 15.77                        | \$623.00*   |
| Intel Core i7-4960X @ 3.60GHz  | 13883                                | 47                     | 13.54                        | \$1,024.99* |
| Intel Core i7-4980HQ @ 2.80GHz | 10065                                | 101                    | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-5500U @ 2.40GHz  | 4017                                 | 579                    | NA                           | NA          |
| Intel Core i7-5550U @ 2.00GHz  | 4246                                 | Insufficient data      | NA                           | NA          |
| Intel Core i7-5557U @ 3.10GHz  | 4934                                 | 442                    | 5.51                         | \$895.00*   |
| Intel Core i7-5600U @ 2.60GHz  | 4296                                 | 534                    | NA                           | NA          |
| Intel Core i7-5650U @ 2.20GHz  | 4203                                 | 553                    | NA                           | NA          |
| Intel Core i7-5675C @ 3.10GHz  | 8164                                 | Insufficient data      | NA                           | NA          |
| Intel Core i7-5700EQ @ 2.60GHz | 8239                                 | 202                    | NA                           | NA          |
| Intel Core i7-5700HQ @ 2.70GHz | 8499                                 | 192                    | NA                           | NA          |
| Intel Core i7-5775C @ 3.30GHz  | 11251                                | 75                     | 30.49                        | \$369.00    |
| Intel Core i7-5775R @ 3.30GHz  | 11011                                | 78                     | NA                           | NA          |
| Intel Core i7-5820K @ 3.30GHz  | 12976                                | 59                     | 33.27                        | \$389.99    |
| Intel Core i7-5850HQ @ 2.70GHz | 9519                                 | Insufficient data      | NA                           | NA          |
| Intel Core i7-5930K @ 3.50GHz  | 13620                                | 53                     | 23.48                        | \$579.99    |
| Intel Core i7-5950HQ @ 2.90GHz | 10892                                | 80                     | NA                           | NA          |
| Intel Core i7-5960X @ 3.00GHz  | 15976                                | 34                     | 15.72                        | \$1,015.99  |
| Intel Core i7-6500U @ 2.50GHz  | 4342                                 | 520                    | NA                           | NA          |
| Intel Core i7-6560U @ 2.20GHz  | 4695                                 | 470                    | NA                           | NA          |
| Intel Core i7-6567U @ 3.30GHz  | 5479                                 | 384                    | NA                           | NA          |
| Intel Core i7-6600U @ 2.60GHz  | 4763                                 | 463                    | NA                           | NA          |
| Intel Core i7-6650U @ 2.20GHz  | 4848                                 | 453                    | NA                           | NA          |
| Intel Core i7-6700 @ 3.40GHz   | 9958                                 | 106                    | 32.13                        | \$309.99    |
| Intel Core i7-6700HQ @ 2.60GHz | 8050                                 | 211                    | NA                           | NA          |
| Intel Core i7-6700K @ 4.00GHz  | 10998                                | 79                     | 31.42                        | \$349.99    |
| Intel Core i7-6700T @ 2.80GHz  | 8930                                 | 171                    | 8.17                         | \$1,092.99  |
| Intel Core i7-6770HQ @ 2.60GHz | 9459                                 | 137                    | NA                           | NA          |

| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Core i7-6800K @ 3.40GHz   | 13487                                   | 55                        | 30.65                           | \$439.99       |
| Intel Core i7-6820HK @ 2.70GHz  | 9030                                    | 163                       | NA                              | NA             |
| Intel Core i7-6820HQ @ 2.70GHz  | 8668                                    | 183                       | NA                              | NA             |
| Intel Core i7-6822EQ @ 2.00GHz  | 7373                                    | Insufficient data         | NA                              | NA             |
| Intel Core i7-6900K @ 3.20GHz   | 17688                                   | 19                        | 15.87                           | \$1,114.93     |
| Intel Core i7-6920HQ @ 2.90GHz  | 9662                                    | 123                       | NA                              | NA             |
| Intel Core i7-6950X @ 3.00GHz   | 21454                                   | 8                         | 12.28                           | \$1,747.77     |
| Intel Core m3-6Y30 @ 0.90GHz    | 3056                                    | 792                       | NA                              | NA             |
| Intel Core m5-6Y54 @ 1.10GHz    | 3307                                    | 730                       | NA                              | NA             |
| Intel Core m5-6Y57 @ 1.10GHz    | 2960                                    | 821                       | NA                              | NA             |
| Intel Core m7-6Y75 @ 1.20GHz    | 3621                                    | 652                       | NA                              | NA             |
| Intel Core M-5Y10 @ 0.80GHz     | 2775                                    | 871                       | NA                              | NA             |
| Intel Core M-5Y10a @ 0.80GHz    | 2150                                    | 1061                      | NA                              | NA             |
| Intel Core M-5Y10c @ 0.80GHz    | 2826                                    | 856                       | 10.06                           | \$281.00*      |
| Intel Core M-5Y31 @ 0.90GHz     | 2484                                    | 948                       | NA                              | NA             |
| Intel Core M-5Y51 @ 1.10GHz     | 2595                                    | 912                       | NA                              | NA             |
| Intel Core M-5Y70 @ 1.10GHz     | 3075                                    | 787                       | NA                              | NA             |
| Intel Core M-5Y71 @ 1.20GHz     | 2985                                    | 814                       | 10.62                           | \$281.00*      |
| Intel Core Solo T1300 @ 1.66GHz | 395                                     | 1938                      | NA                              | NA             |
| Intel Core Solo T1350 @ 1.86GHz | 411                                     | 1913                      | NA                              | NA             |
| Intel Core Solo T1400 @ 1.83GHz | 472                                     | 1853                      | NA                              | NA             |
| Intel Core Solo U1300 @ 1.06GHz | 276                                     | 2089                      | NA                              | NA             |
| Intel Core Solo U1400 @ 1.20GHz | 282                                     | 2079                      | NA                              | NA             |
| Intel Core Solo U1500 @ 1.33GHz | 327                                     | 2008                      | NA                              | NA             |
| CPU Name                        | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel E3000 @ 3.40GHz           | 2767                                    | 874                       | NA                              | NA             |
| Intel Pentium 4 1.40GHz         | 164                                     | 2193                      | NA                              | NA             |
| Intel Pentium 4 1.50GHz         | 134                                     | 2206                      | NA                              | NA             |
| Intel Pentium 4 1.60GHz         | 129                                     | 2208                      | NA                              | NA             |
| Intel Pentium 4 1.70GHz         | 133                                     | 2207                      | NA                              | NA             |
| Intel Pentium 4 1.80GHz         | 161                                     | 2195                      | NA                              | NA             |
| Intel Pentium 4 1.90GHz         | 159                                     | 2196                      | NA                              | NA             |
| Intel Pentium 4 2.00GHz         | 189                                     | 2176                      | NA                              | NA             |
| Intel Pentium 4 2.20GHz         | 218                                     | 2157                      | NA                              | NA             |
| Intel Pentium 4 2.26GHz         | 223                                     | 2149                      | NA                              | NA             |
| Intel Pentium 4 2.40GHz         | 230                                     | 2143                      | NA                              | NA             |
| Intel Pentium 4 2.50GHz         | 245                                     | 2127                      | NA                              | NA             |
| Intel Pentium 4 2.53GHz         | 249                                     | 2124                      | NA                              | NA             |
| Intel Pentium 4 2.60GHz         | 290                                     | 2059                      | NA                              | NA             |
| Intel Pentium 4 2.66GHz         | 258                                     | 2110                      | NA                              | NA             |
| Intel Pentium 4 2.80GHz         | 326                                     | 2011                      | NA                              | NA             |
| Intel Pentium 4 2.93GHz         | 304                                     | 2039                      | NA                              | NA             |
| Intel Pentium 4 3.00GHz         | 356                                     | 1981                      | NA                              | NA             |
| Intel Pentium 4 3.06GHz         | 348                                     | 1990                      | NA                              | NA             |
| Intel Pentium 4 3.20GHz         | 379                                     | 1952                      | NA                              | NA             |
| Intel Pentium 4 3.40GHz         | 401                                     | 1927                      | NA                              | NA             |
| Intel Pentium 4 3.46GHz         | 487                                     | 1836                      | NA                              | NA             |
| Intel Pentium 4 3.60GHz         | 494                                     | 1830                      | NA                              | NA             |
| Intel Pentium 4 3.73GHz         | 486                                     | 1838                      | NA                              | NA             |
| Intel Pentium 4 3.80GHz         | 490                                     | 1835                      | NA                              | NA             |
| Intel Pentium 4 4.00GHz         | 184                                     | 2182                      | NA                              | NA             |
| Intel Pentium 4 1300MHz         | 119                                     | 2212                      | NA                              | NA             |
| Intel Pentium 4 1400MHz         | 127                                     | 2210                      | NA                              | NA             |
| Intel Pentium 4 1500MHz         | 125                                     | 2211                      | NA                              | NA             |
| Intel Pentium 4 1600MHz         | 193                                     | 2175                      | NA                              | NA             |
| Intel Pentium 4 1700MHz         | 154                                     | 2199                      | NA                              | NA             |
| Intel Pentium 4 1800MHz         | 176                                     | 2188                      | NA                              | NA             |
| Intel Pentium 4 Family 2.40GHz  | 290                                     | 2060                      | NA                              | NA             |
| Intel Pentium 4 Family 2.53GHz  | 319                                     | 2021                      | NA                              | NA             |
| Intel Pentium 4 Mobile 1.40GHz  | 149                                     | 2202                      | NA                              | NA             |
| Intel Pentium 4 Mobile 1.50GHz  | 197                                     | 2171                      | NA                              | NA             |
| Intel Pentium 4 Mobile 1.60GHz  | 178                                     | 2186                      | NA                              | NA             |
| Intel Pentium 4 Mobile 1.70GHz  | 208                                     | 2167                      | NA                              | NA             |
| Intel Pentium 4 Mobile 1.80GHz  | 175                                     | 2189                      | NA                              | NA             |

| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Pentium 4 Mobile 1.90GHz              | 209                                  | 2166                   | NA                           | NA          |
| Intel Pentium 4 Mobile 2.00GHz              | 202                                  | 2168                   | NA                           | NA          |
| Intel Pentium 5 2.66GHz                     | 705                                  | 1716                   | NA                           | NA          |
| Intel Pentium 957 @ 1.20GHz                 | 1095                                 | 1517                   | 8.18                         | \$134.00*   |
| Intel Pentium 967 @ 1.30GHz                 | 1156                                 | 1486                   | NA                           | NA          |
| Intel Pentium 977 @ 1.40GHz                 | 1148                                 | 1494                   | NA                           | NA          |
| Intel Pentium 987 @ 1.50GHz                 | 1223                                 | 1456                   | NA                           | NA          |
| Intel Pentium 997 @ 1.60GHz                 | 1460                                 | 1336                   | NA                           | NA          |
| Intel Pentium 1403 @ 2.60GHz                | 2747                                 | Insufficient data      | NA                           | NA          |
| Intel Pentium 2020M @ 2.40GHz               | 2303                                 | 999                    | 17.19                        | \$134.00*   |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Pentium 2030M @ 2.50GHz               | 2436                                 | 961                    | 18.18                        | \$134.00*   |
| Intel Pentium 2117U @ 1.80GHz               | 1651                                 | 1258                   | 12.33                        | \$134.00*   |
| Intel Pentium 2127U @ 1.90GHz               | 1850                                 | 1166                   | 13.81                        | \$134.00*   |
| Intel Pentium 2129Y @ 1.10GHz               | 1138                                 | 1500                   | 8.50                         | \$134.00*   |
| Intel Pentium 3550M @ 2.30GHz               | 2275                                 | 1009                   | NA                           | NA          |
| Intel Pentium 3556U @ 1.70GHz               | 1708                                 | 1221                   | NA                           | NA          |
| Intel Pentium 3558U @ 1.70GHz               | 1762                                 | 1199                   | NA                           | NA          |
| Intel Pentium 3560M @ 2.40GHz               | 2248                                 | 1022                   | NA                           | NA          |
| Intel Pentium 3560Y @ 1.20GHz               | 1259                                 | 1437                   | NA                           | NA          |
| Intel Pentium 3805U @ 1.90GHz               | 2027                                 | 1102                   | NA                           | NA          |
| Intel Pentium 3825U @ 1.90GHz               | 2631                                 | 903                    | NA                           | NA          |
| Intel Pentium 4405U @ 2.10GHz               | 3067                                 | 788                    | NA                           | NA          |
| Intel Pentium 4405Y @ 1.50GHz               | 2260                                 | 1015                   | NA                           | NA          |
| Intel Pentium A1018 @ 2.10GHz               | 2153                                 | Insufficient data      | NA                           | NA          |
| Intel Pentium B940 @ 2.00GHz                | 1736                                 | 1210                   | NA                           | NA          |
| Intel Pentium B950 @ 2.10GHz                | 1727                                 | 1215                   | NA                           | NA          |
| Intel Pentium B960 @ 2.20GHz                | 1878                                 | 1158                   | 38.35                        | \$48.99*    |
| Intel Pentium B970 @ 2.30GHz                | 1964                                 | 1121                   | 38.52                        | \$50.99*    |
| Intel Pentium B980 @ 2.40GHz                | 2088                                 | 1082                   | 52.28                        | \$39.95*    |
| Intel Pentium D 805 @ 2.66GHz               | 533                                  | 1801                   | NA                           | NA          |
| Intel Pentium D 830 @ 3.00GHz               | 648                                  | 1739                   | NA                           | NA          |
| Intel Pentium D 915 @ 2.80GHz               | 591                                  | 1765                   | NA                           | NA          |
| Intel Pentium D 940 @ 3.20GHz               | 717                                  | 1711                   | NA                           | NA          |
| Intel Pentium D 950 @ 3.40GHz               | 745                                  | 1696                   | NA                           | NA          |
| Intel Pentium D 960 @ 3.60GHz               | 837                                  | 1664                   | NA                           | NA          |
| Intel Pentium E2140 @ 1.60GHz               | 869                                  | 1646                   | 7.90                         | \$109.95*   |
| Intel Pentium E2160 @ 1.80GHz               | 1001                                 | 1571                   | 10.11                        | \$99.00*    |
| Intel Pentium E2180 @ 2.00GHz               | 1085                                 | 1528                   | 8.35                         | \$129.95*   |
| Intel Pentium E2200 @ 2.20GHz               | 1198                                 | 1466                   | 13.03                        | \$91.99*    |
| Intel Pentium E2210 @ 2.20GHz               | 1168                                 | 1478                   | NA                           | NA          |
| Intel Pentium E2220 @ 2.40GHz               | 1345                                 | 1386                   | 24.49                        | \$54.95     |
| Intel Pentium E5200 @ 2.50GHz               | 1498                                 | 1316                   | 13.62                        | \$109.99    |
| Intel Pentium E5300 @ 2.60GHz               | 1557                                 | 1300                   | 38.94                        | \$39.99*    |
| Intel Pentium E5400 @ 2.70GHz               | 1604                                 | 1277                   | 30.39                        | \$52.81*    |
| Intel Pentium E5500 @ 2.80GHz               | 1636                                 | 1264                   | 41.43                        | \$39.50*    |
| Intel Pentium E5700 @ 3.00GHz               | 1754                                 | 1204                   | 36.64                        | \$47.90     |
| Intel Pentium E5800 @ 3.20GHz               | 1908                                 | 1141                   | 28.07                        | \$68.00     |
| Intel Pentium E6300 @ 2.80GHz               | 1706                                 | 1223                   | 42.67                        | \$39.99*    |
| Intel Pentium E6500 @ 2.93GHz               | 1775                                 | 1194                   | 35.51                        | \$49.99     |
| Intel Pentium E6600 @ 3.06GHz               | 1893                                 | 1151                   | 7.58                         | \$249.95*   |
| Intel Pentium E6700 @ 3.20GHz               | 1966                                 | 1118                   | 9.41                         | \$208.95*   |
| Intel Pentium E6800 @ 3.33GHz               | 2033                                 | 1099                   | 19.66                        | \$103.43*   |
| Intel Pentium Extreme Edition 955 @ 3.46GHz | 905                                  | 1628                   | 1.19                         | \$759.00*   |
| Intel Pentium Extreme Edition 965 @ 3.73GHz | 948                                  | 1605                   | NA                           | NA          |
| Intel Pentium G620 @ 2.60GHz                | 2306                                 | 998                    | 23.36                        | \$98.75     |
| Intel Pentium G620T @ 2.20GHz               | 2071                                 | 1086                   | 25.90                        | \$79.99*    |
| Intel Pentium G630 @ 2.70GHz                | 2387                                 | 976                    | 13.37                        | \$178.59*   |
| Intel Pentium G630T @ 2.30GHz               | 2182                                 | 1050                   | 27.29                        | \$79.99*    |
| Intel Pentium G640 @ 2.80GHz                | 2523                                 | 934                    | 27.22                        | \$92.68     |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Pentium G640T @ 2.40GHz               | 1939                                 | 1133                   | NA                           | NA          |

| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Pentium G645 @ 2.90GHz     | 2601                                    | 911                       | 14.57                           | \$178.59       |
| Intel Pentium G645T @ 2.50GHz    | 2387                                    | 975                       | NA                              | NA             |
| Intel Pentium G840 @ 2.80GHz     | 2586                                    | 918                       | 54.82                           | \$47.19        |
| Intel Pentium G850 @ 2.90GHz     | 2692                                    | 889                       | 12.91                           | \$208.59       |
| Intel Pentium G860 @ 3.00GHz     | 2771                                    | 873                       | 32.60                           | \$84.99*       |
| Intel Pentium G870 @ 3.10GHz     | 2874                                    | 844                       | 13.33                           | \$215.59       |
| Intel Pentium G2010 @ 2.80GHz    | 2627                                    | 905                       | 37.54                           | \$69.99*       |
| Intel Pentium G2020 @ 2.90GHz    | 2780                                    | 868                       | 28.91                           | \$96.20*       |
| Intel Pentium G2020T @ 2.50GHz   | 2452                                    | 958                       | 38.32                           | \$64.00*       |
| Intel Pentium G2030 @ 3.00GHz    | 2930                                    | 831                       | 33.88                           | \$86.50        |
| Intel Pentium G2030T @ 2.60GHz   | 2406                                    | 970                       | 37.60                           | \$64.00*       |
| Intel Pentium G2100T @ 2.60GHz   | 2797                                    | 865                       | NA                              | NA             |
| Intel Pentium G2120 @ 3.10GHz    | 3079                                    | 786                       | 13.13                           | \$234.59*      |
| Intel Pentium G2130 @ 3.20GHz    | 3219                                    | 755                       | 14.88                           | \$216.36*      |
| Intel Pentium G2140 @ 3.30GHz    | 3448                                    | 704                       | 57.48                           | \$60.00        |
| Intel Pentium G3220 @ 3.00GHz    | 3185                                    | 763                       | 29.35                           | \$108.52       |
| Intel Pentium G3220T @ 2.60GHz   | 2587                                    | 917                       | 64.72                           | \$39.99*       |
| Intel Pentium G3240 @ 3.10GHz    | 3274                                    | 741                       | 55.51                           | \$58.99        |
| Intel Pentium G3240T @ 2.70GHz   | 2991                                    | 812                       | NA                              | NA             |
| Intel Pentium G3250 @ 3.20GHz    | 3313                                    | 727                       | 59.18                           | \$56.00        |
| Intel Pentium G3250T @ 2.80GHz   | 2874                                    | 843                       | NA                              | NA             |
| Intel Pentium G3258 @ 3.20GHz    | 3994                                    | 584                       | 59.62                           | \$66.99        |
| Intel Pentium G3260 @ 3.30GHz    | 3521                                    | 679                       | 58.70                           | \$59.99        |
| Intel Pentium G3260T @ 2.90GHz   | 3034                                    | 799                       | NA                              | NA             |
| Intel Pentium G3320TE @ 2.30GHz  | 2389                                    | 974                       | NA                              | NA             |
| Intel Pentium G3420 @ 3.20GHz    | 3452                                    | 702                       | 29.54                           | \$116.88       |
| Intel Pentium G3420T @ 2.70GHz   | 2971                                    | 818                       | NA                              | NA             |
| Intel Pentium G3430 @ 3.30GHz    | 3481                                    | 692                       | 29.01                           | \$120.00*      |
| Intel Pentium G3440 @ 3.30GHz    | 3467                                    | 695                       | 38.54                           | \$89.97        |
| Intel Pentium G3440T @ 2.80GHz   | 3101                                    | Insufficient data         | NA                              | NA             |
| Intel Pentium G3450 @ 3.40GHz    | 3760                                    | 623                       | 42.36                           | \$88.76        |
| Intel Pentium G3450T @ 2.90GHz   | 2967                                    | 820                       | NA                              | NA             |
| Intel Pentium G3460 @ 3.50GHz    | 3651                                    | 645                       | 53.71                           | \$67.99        |
| Intel Pentium G3470 @ 3.60GHz    | 3698                                    | 638                       | 48.67                           | \$75.99        |
| Intel Pentium G4400 @ 3.30GHz    | 3683                                    | 640                       | 61.41                           | \$59.99        |
| Intel Pentium G4400T @ 2.90GHz   | 3228                                    | 750                       | NA                              | NA             |
| Intel Pentium G4500 @ 3.50GHz    | 4033                                    | 578                       | 44.84                           | \$89.96        |
| Intel Pentium G4500T @ 3.00GHz   | 3500                                    | 688                       | NA                              | NA             |
| Intel Pentium G4520 @ 3.60GHz    | 4257                                    | 541                       | 42.47                           | \$100.24       |
| Intel Pentium G6950 @ 2.80GHz    | 1875                                    | 1159                      | 30.24                           | \$62.01        |
| Intel Pentium G6951 @ 2.80GHz    | 2311                                    | 997                       | NA                              | NA             |
| Intel Pentium G6960 @ 2.93GHz    | 2131                                    | 1068                      | NA                              | NA             |
| Intel Pentium III 1133MHz        | 284                                     | 2074                      | NA                              | NA             |
| Intel Pentium III 1200MHz        | 278                                     | 2087                      | NA                              | NA             |
| Intel Pentium III 1400MHz        | 336                                     | 2002                      | NA                              | NA             |
| Intel Pentium III - S 933MHz     | 238                                     | 2135                      | NA                              | NA             |
| Intel Pentium III - S 1266MHz    | 309                                     | 2031                      | NA                              | NA             |
| Intel Pentium III - S 1400MHz    | 301                                     | 2048                      | NA                              | NA             |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Pentium III family 1133MHz | 296                                     | 2050                      | NA                              | NA             |
| Intel Pentium III family 1266MHz | 270                                     | 2097                      | NA                              | NA             |
| Intel Pentium III family 1400MHz | 293                                     | 2056                      | NA                              | NA             |
| Intel Pentium III Mobile 750MHz  | 103                                     | 2214                      | NA                              | NA             |
| Intel Pentium III Mobile 800MHz  | 201                                     | 2169                      | NA                              | NA             |
| Intel Pentium III Mobile 866MHz  | 152                                     | 2200                      | NA                              | NA             |
| Intel Pentium III Mobile 933MHz  | 218                                     | 2155                      | NA                              | NA             |
| Intel Pentium III Mobile 1000MHz | 245                                     | 2126                      | NA                              | NA             |
| Intel Pentium III Mobile 1066MHz | 268                                     | 2098                      | NA                              | NA             |
| Intel Pentium III Mobile 1133MHz | 251                                     | 2120                      | NA                              | NA             |
| Intel Pentium III Mobile 1200MHz | 262                                     | 2106                      | NA                              | NA             |
| Intel Pentium J2850 @ 2.41GHz    | 1803                                    | 1180                      | NA                              | NA             |
| Intel Pentium J2900 @ 2.41GHz    | 2050                                    | 1091                      | NA                              | NA             |
| Intel Pentium J3710 @ 1.60GHz    | 2206                                    | 1041                      | NA                              | NA             |
| Intel Pentium M 1.10GHz          | 296                                     | 2051                      | NA                              | NA             |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Pentium M 1.20GHz        | 302                                     | 2046                      | NA                              | NA             |
| Intel Pentium M 1.30GHz        | 301                                     | 2047                      | NA                              | NA             |
| Intel Pentium M 1.40GHz        | 358                                     | 1978                      | NA                              | NA             |
| Intel Pentium M 1.50GHz        | 364                                     | 1972                      | NA                              | NA             |
| Intel Pentium M 1.60GHz        | 367                                     | 1965                      | NA                              | NA             |
| Intel Pentium M 1.70GHz        | 414                                     | 1908                      | NA                              | NA             |
| Intel Pentium M 1.73GHz        | 419                                     | 1902                      | NA                              | NA             |
| Intel Pentium M 1.80GHz        | 403                                     | 1923                      | NA                              | NA             |
| Intel Pentium M 1.86GHz        | 441                                     | 1882                      | NA                              | NA             |
| Intel Pentium M 2.00GHz        | 463                                     | 1857                      | NA                              | NA             |
| Intel Pentium M 2.10GHz        | 521                                     | 1807                      | NA                              | NA             |
| Intel Pentium M 2.13GHz        | 512                                     | 1815                      | NA                              | NA             |
| Intel Pentium M 2.26GHz        | 519                                     | 1809                      | NA                              | NA             |
| Intel Pentium M 756 @ 1.66GHz  | 484                                     | 1842                      | NA                              | NA             |
| Intel Pentium M 900MHz         | 220                                     | 2153                      | NA                              | NA             |
| Intel Pentium M 1000MHz        | 233                                     | 2140                      | NA                              | NA             |
| Intel Pentium M 1100MHz        | 259                                     | 2109                      | NA                              | NA             |
| Intel Pentium M 1200MHz        | 237                                     | 2136                      | NA                              | NA             |
| Intel Pentium M 1300MHz        | 303                                     | 2041                      | NA                              | NA             |
| Intel Pentium M 1400MHz        | 320                                     | 2020                      | NA                              | NA             |
| Intel Pentium M 1500MHz        | 357                                     | 1979                      | NA                              | NA             |
| Intel Pentium M 1600MHz        | 367                                     | 1967                      | NA                              | NA             |
| Intel Pentium M 1700MHz        | 384                                     | 1948                      | NA                              | NA             |
| Intel Pentium N3510 @ 1.99GHz  | 1622                                    | 1270                      | NA                              | NA             |
| Intel Pentium N3520 @ 2.16GHz  | 1831                                    | 1172                      | NA                              | NA             |
| Intel Pentium N3530 @ 2.16GHz  | 1932                                    | 1135                      | NA                              | NA             |
| Intel Pentium N3540 @ 2.16GHz  | 1963                                    | 1122                      | 8.18                            | \$239.99*      |
| Intel Pentium N3700 @ 1.60GHz  | 1906                                    | 1142                      | 7.63                            | \$249.99*      |
| Intel Pentium N3710 @ 1.60GHz  | 1299                                    | Insufficient data         | NA                              | NA             |
| Intel Pentium P6000 @ 1.87GHz  | 1257                                    | 1439                      | NA                              | NA             |
| Intel Pentium P6100 @ 2.00GHz  | 1339                                    | 1388                      | 89.33                           | \$15.00        |
| Intel Pentium P6200 @ 2.13GHz  | 1353                                    | 1382                      | 36.60                           | \$36.99*       |
| Intel Pentium P6300 @ 2.27GHz  | 1363                                    | 1375                      | NA                              | NA             |
| Intel Pentium SU2700 @ 1.30GHz | 414                                     | 1907                      | NA                              | NA             |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Pentium SU4100 @ 1.30GHz | 873                                     | 1641                      | NA                              | NA             |
| Intel Pentium T1080 @ 1.73GHz  | 842                                     | 1660                      | NA                              | NA             |
| Intel Pentium T2060 @ 1.60GHz  | 677                                     | 1727                      | NA                              | NA             |
| Intel Pentium T2080 @ 1.73GHz  | 717                                     | 1712                      | NA                              | NA             |
| Intel Pentium T2130 @ 1.86GHz  | 721                                     | 1707                      | NA                              | NA             |
| Intel Pentium T2310 @ 1.46GHz  | 723                                     | 1705                      | NA                              | NA             |
| Intel Pentium T2330 @ 1.60GHz  | 843                                     | 1659                      | NA                              | NA             |
| Intel Pentium T2370 @ 1.73GHz  | 830                                     | 1668                      | NA                              | NA             |
| Intel Pentium T2390 @ 1.86GHz  | 938                                     | 1609                      | NA                              | NA             |
| Intel Pentium T2410 @ 2.00GHz  | 966                                     | 1595                      | NA                              | NA             |
| Intel Pentium T3200 @ 2.00GHz  | 1040                                    | 1549                      | NA                              | NA             |
| Intel Pentium T3400 @ 2.16GHz  | 1125                                    | 1503                      | 70.33                           | \$16.00        |
| Intel Pentium T4200 @ 2.00GHz  | 1157                                    | 1484                      | 105.25                          | \$11.00*       |
| Intel Pentium T4300 @ 2.10GHz  | 1248                                    | 1447                      | NA                              | NA             |
| Intel Pentium T4400 @ 2.20GHz  | 1294                                    | 1416                      | NA                              | NA             |
| Intel Pentium T4500 @ 2.30GHz  | 1358                                    | 1379                      | NA                              | NA             |
| Intel Pentium U5400 @ 1.20GHz  | 870                                     | 1644                      | NA                              | NA             |
| Intel Pentium U5600 @ 1.33GHz  | 977                                     | 1585                      | NA                              | NA             |
| Intel T1200 @ 1.50GHz          | 435                                     | 1890                      | NA                              | NA             |
| Intel T1400 @ 1.73GHz          | 935                                     | 1610                      | NA                              | NA             |
| Intel T1500 @ 1.86GHz          | 965                                     | 1596                      | NA                              | NA             |
| Intel T2050 @ 2.00GHz          | 959                                     | Insufficient data         | NA                              | NA             |
| Intel Xeon 2.00GHz             | 233                                     | 2139                      | NA                              | NA             |
| Intel XEON 2.20GHz             | 252                                     | 2118                      | NA                              | NA             |
| Intel Xeon 2.40GHz             | 276                                     | 2090                      | 30.35                           | \$9.10*        |
| Intel Xeon 2.66GHz             | 435                                     | 1889                      | NA                              | NA             |
| Intel Xeon 2.80GHz             | 400                                     | 1931                      | NA                              | NA             |
| Intel Xeon 3.00GHz             | 411                                     | 1912                      | NA                              | NA             |
| Intel Xeon 3.06GHz             | 491                                     | 1832                      | NA                              | NA             |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon 3.20GHz               | 500                                  | 1825                   | NA                           | NA          |
| Intel Xeon 3.40GHz               | 478                                  | 1846                   | NA                           | NA          |
| Intel Xeon 3.60GHz               | 500                                  | 1826                   | 0.59                         | \$851.00*   |
| Intel Xeon 3.73GHz               | 1033                                 | 1553                   | NA                           | NA          |
| Intel Xeon 3.80GHz               | 604                                  | 1760                   | 0.71                         | \$851.00*   |
| Intel Xeon 1500MHz               | 193                                  | 2174                   | NA                           | NA          |
| Intel Xeon 3040 @ 1.86GHz        | 1281                                 | 1421                   | 36.62                        | \$34.99*    |
| Intel Xeon 3050 @ 2.13GHz        | 1311                                 | 1401                   | 37.47                        | \$35.00     |
| Intel Xeon 3060 @ 2.40GHz        | 1493                                 | 1321                   | 4.83                         | \$308.95*   |
| Intel Xeon 3065 @ 2.33GHz        | 1575                                 | 1291                   | NA                           | NA          |
| Intel Xeon 3070 @ 2.66GHz        | 1778                                 | 1192                   | 4.35                         | \$408.95*   |
| Intel Xeon 3075 @ 2.66GHz        | 1840                                 | 1170                   | 5.26                         | \$349.95*   |
| Intel Xeon 3085 @ 3.00GHz        | 1801                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon 5110 @ 1.60GHz        | 1079                                 | 1534                   | 17.01                        | \$63.49*    |
| Intel Xeon 5120 @ 1.86GHz        | 1237                                 | 1451                   | 4.67                         | \$265.00*   |
| Intel Xeon 5130 @ 2.00GHz        | 1388                                 | 1362                   | 182.90                       | \$7.59      |
| Intel Xeon 5133 @ 2.20GHz        | 1598                                 | 1282                   | NA                           | NA          |
| Intel Xeon 5140 @ 2.33GHz        | 1655                                 | 1257                   | 150.48                       | \$11.00     |
| Intel Xeon 5148 @ 2.33GHz        | 1590                                 | 1286                   | 122.47                       | \$12.99     |
| Intel Xeon 5150 @ 2.66GHz        | 1738                                 | 1208                   | 174.00                       | \$9.99      |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon 5160 @ 3.00GHz        | 2001                                 | 1110                   | 111.18                       | \$18.00*    |
| Intel Xeon D-1520 @ 2.20GHz      | 6396                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon D-1521 @ 2.40GHz      | 7164                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon D-1528 @ 1.90GHz      | 8612                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon D-1540 @ 2.00GHz      | 10883                                | 81                     | NA                           | NA          |
| Intel Xeon D-1541 @ 2.10GHz      | 11880                                | 71                     | NA                           | NA          |
| Intel Xeon E3-1220 @ 3.10GHz     | 6062                                 | 329                    | 27.78                        | \$218.22    |
| Intel Xeon E3-1220 V2 @ 3.10GHz  | 6508                                 | 300                    | 26.68                        | \$243.98    |
| Intel Xeon E3-1220 v3 @ 3.10GHz  | 6534                                 | 298                    | 31.88                        | \$204.99    |
| Intel Xeon E3-1220 v5 @ 3.00GHz  | 7191                                 | 255                    | NA                           | NA          |
| Intel Xeon E3-1220L @ 2.20GHz    | 3563                                 | 667                    | NA                           | NA          |
| Intel Xeon E3-1220L V2 @ 2.30GHz | 3656                                 | 643                    | NA                           | NA          |
| Intel Xeon E3-1220L v3 @ 1.10GHz | 2110                                 | 1076                   | NA                           | NA          |
| Intel Xeon E3-1225 @ 3.10GHz     | 5951                                 | 340                    | 25.33                        | \$234.99    |
| Intel Xeon E3-1225 V2 @ 3.20GHz  | 6775                                 | 279                    | 13.37                        | \$506.59    |
| Intel Xeon E3-1225 v3 @ 3.20GHz  | 7020                                 | 267                    | 24.76                        | \$283.60    |
| Intel Xeon E3-1225 v5 @ 3.30GHz  | 7656                                 | 229                    | NA                           | NA          |
| Intel Xeon E3-1226 v3 @ 3.30GHz  | 7397                                 | 243                    | 32.88                        | \$224.99    |
| Intel Xeon E3-1230 @ 3.20GHz     | 7928                                 | 217                    | 28.91                        | \$274.29    |
| Intel Xeon E3-1230 V2 @ 3.30GHz  | 8858                                 | 176                    | 30.89                        | \$286.81    |
| Intel Xeon E3-1230 v3 @ 3.30GHz  | 9302                                 | 150                    | 36.20                        | \$256.95    |
| Intel Xeon E3-1230 v5 @ 3.40GHz  | 9366                                 | 143                    | NA                           | NA          |
| Intel Xeon E3-1230L v3 @ 1.80GHz | 7272                                 | 251                    | NA                           | NA          |
| Intel Xeon E3-1231 v3 @ 3.40GHz  | 9609                                 | 126                    | 37.69                        | \$254.99    |
| Intel Xeon E3-1235 @ 3.20GHz     | 7764                                 | 223                    | 16.24                        | \$478.18*   |
| Intel Xeon E3-1240 @ 3.30GHz     | 7990                                 | 215                    | 27.09                        | \$294.99    |
| Intel Xeon E3-1240 V2 @ 3.40GHz  | 9261                                 | 151                    | 15.90                        | \$582.59    |
| Intel Xeon E3-1240 v3 @ 3.40GHz  | 9685                                 | 121                    | 30.95                        | \$312.94    |
| Intel Xeon E3-1240 v5 @ 3.50GHz  | 10177                                | 95                     | NA                           | NA          |
| Intel Xeon E3-1240L v3 @ 2.00GHz | 7507                                 | 239                    | NA                           | NA          |
| Intel Xeon E3-1241 v3 @ 3.50GHz  | 9972                                 | 105                    | 37.21                        | \$267.99    |
| Intel Xeon E3-1245 @ 3.30GHz     | 8108                                 | 206                    | 26.16                        | \$309.99    |
| Intel Xeon E3-1245 V2 @ 3.40GHz  | 9109                                 | 158                    | 14.99                        | \$607.59    |
| Intel Xeon E3-1245 v3 @ 3.40GHz  | 9549                                 | 129                    | 19.37                        | \$492.91    |
| Intel Xeon E3-1245 v5 @ 3.50GHz  | 10299                                | 92                     | NA                           | NA          |
| Intel Xeon E3-1246 v3 @ 3.50GHz  | 9840                                 | 111                    | 33.93                        | \$289.99    |
| Intel Xeon E3-1260L @ 2.40GHz    | 6534                                 | 297                    | 11.34                        | \$576.10*   |
| Intel Xeon E3-1265L @ 2.40GHz    | 6054                                 | 332                    | 8.44                         | \$717.75*   |
| Intel Xeon E3-1265L V2 @ 2.50GHz | 7735                                 | 225                    | 10.56                        | \$732.58*   |
| Intel Xeon E3-1265L v3 @ 2.50GHz | 8773                                 | 179                    | 17.24                        | \$508.95    |
| Intel Xeon E3-1268L v3 @ 2.30GHz | 7850                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon E3-1270 @ 3.40GHz     | 8294                                 | 200                    | 16.69                        | \$496.99*   |
| Intel Xeon E3-1270 V2 @ 3.50GHz  | 9462                                 | 136                    | 16.49                        | \$574.00    |



| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Xeon E3-1270 v3 @ 3.50GHz  | 9864                                    | 110                       | 25.38                           | \$388.67       |
| Intel Xeon E3-1270 v5 @ 3.60GHz  | 9824                                    | 113                       | 27.29                           | \$359.99       |
| Intel Xeon E3-1271 v3 @ 3.60GHz  | 10128                                   | 98                        | 29.53                           | \$342.99       |
| Intel Xeon E3-1275 @ 3.40GHz     | 8346                                    | 198                       | 22.69                           | \$367.85       |
| Intel Xeon E3-1275 V2 @ 3.50GHz  | 9321                                    | 147                       | 21.92                           | \$425.32       |
| Intel Xeon E3-1275 v3 @ 3.50GHz  | 9815                                    | 116                       | 22.83                           | \$430.00       |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon E3-1275 v5 @ 3.60GHz  | 10345                                   | 89                        | NA                              | NA             |
| Intel Xeon E3-1275L v3 @ 2.70GHz | 8622                                    | 185                       | NA                              | NA             |
| Intel Xeon E3-1276 v3 @ 3.60GHz  | 10231                                   | 94                        | 28.46                           | \$359.56       |
| Intel Xeon E3-1280 @ 3.50GHz     | 8469                                    | 195                       | 12.93                           | \$654.99       |
| Intel Xeon E3-1280 V2 @ 3.60GHz  | 9758                                    | 119                       | 15.13                           | \$644.99*      |
| Intel Xeon E3-1280 v3 @ 3.60GHz  | 9582                                    | 127                       | 11.97                           | \$800.49*      |
| Intel Xeon E3-1280 v5 @ 3.70GHz  | 10502                                   | 83                        | NA                              | NA             |
| Intel Xeon E3-1281 v3 @ 3.70GHz  | 10081                                   | 100                       | 22.16                           | \$455.00*      |
| Intel Xeon E3-1285L v3 @ 3.10GHz | 10483                                   | 84                        | NA                              | NA             |
| Intel Xeon E3-1285L v4 @ 3.40GHz | 11170                                   | Insufficient data         | NA                              | NA             |
| Intel Xeon E3-1286 v3 @ 3.70GHz  | 9388                                    | 141                       | NA                              | NA             |
| Intel Xeon E3-1290 @ 3.60GHz     | 8704                                    | 181                       | 9.84                            | \$885.00*      |
| Intel Xeon E3-1290 V2 @ 3.70GHz  | 9925                                    | 107                       | 11.22                           | \$885.00*      |
| Intel Xeon E3-1505M v5 @ 2.80GHz | 8493                                    | 193                       | NA                              | NA             |
| Intel Xeon E3-1535M v5 @ 2.90GHz | 9246                                    | 152                       | NA                              | NA             |
| Intel Xeon E3-1545M v5 @ 2.90GHz | 10130                                   | 97                        | NA                              | NA             |
| Intel Xeon E5-1410 @ 2.80GHz     | 7312                                    | 248                       | NA                              | NA             |
| Intel Xeon E5-1410 v2 @ 2.80GHz  | 6822                                    | 277                       | NA                              | NA             |
| Intel Xeon E5-1603 @ 2.80GHz     | 5469                                    | 387                       | 31.08                           | \$175.99       |
| Intel Xeon E5-1603 v3 @ 2.80GHz  | 5778                                    | 352                       | NA                              | NA             |
| Intel Xeon E5-1607 @ 3.00GHz     | 5740                                    | 358                       | NA                              | NA             |
| Intel Xeon E5-1607 v2 @ 3.00GHz  | 5911                                    | 343                       | 18.89                           | \$313.00*      |
| Intel Xeon E5-1607 v3 @ 3.10GHz  | 6736                                    | 283                       | NA                              | NA             |
| Intel Xeon E5-1620 @ 3.60GHz     | 9097                                    | 160                       | 25.99                           | \$349.99*      |
| Intel Xeon E5-1620 v2 @ 3.70GHz  | 9474                                    | 134                       | 30.08                           | \$314.99       |
| Intel Xeon E5-1620 v3 @ 3.50GHz  | 9675                                    | 122                       | 31.41                           | \$307.99       |
| Intel Xeon E5-1620 v4 @ 3.50GHz  | 9990                                    | 104                       | NA                              | NA             |
| Intel Xeon E5-1630 v3 @ 3.70GHz  | 10306                                   | 90                        | 25.93                           | \$397.49       |
| Intel Xeon E5-1650 @ 3.20GHz     | 11786                                   | 72                        | 12.68                           | \$929.77*      |
| Intel Xeon E5-1650 v2 @ 3.50GHz  | 12564                                   | 65                        | 28.49                           | \$440.99       |
| Intel Xeon E5-1650 v3 @ 3.50GHz  | 13514                                   | 54                        | 20.81                           | \$649.42       |
| Intel Xeon E5-1660 @ 3.30GHz     | 12611                                   | 64                        | 11.42                           | \$1,104.00*    |
| Intel Xeon E5-1660 v2 @ 3.70GHz  | 13739                                   | 50                        | 12.08                           | \$1,137.50*    |
| Intel Xeon E5-1660 v3 @ 3.00GHz  | 13468                                   | 56                        | 11.77                           | \$1,143.99     |
| Intel Xeon E5-1680 v2 @ 3.00GHz  | 16903                                   | 22                        | NA                              | NA             |
| Intel Xeon E5-1680 v3 @ 3.20GHz  | 16961                                   | 21                        | NA                              | NA             |
| Intel Xeon E5-1681 v3 @ 2.90GHz  | 18412                                   | 15                        | NA                              | NA             |
| Intel Xeon E5-2403 @ 1.80GHz     | 3489                                    | 689                       | 14.17                           | \$246.28       |
| Intel Xeon E5-2403 v2 @ 1.80GHz  | 1797                                    | Insufficient data         | 8.99                            | \$199.99       |
| Intel Xeon E5-2407 @ 2.20GHz     | 3795                                    | 616                       | 13.17                           | \$288.25       |
| Intel Xeon E5-2407 v2 @ 2.40GHz  | 4677                                    | 472                       | 17.32                           | \$269.99       |
| Intel Xeon E5-2418L @ 2.00GHz    | 5202                                    | Insufficient data         | NA                              | NA             |
| Intel Xeon E5-2420 @ 1.90GHz     | 7136                                    | 258                       | 17.23                           | \$414.25       |
| Intel Xeon E5-2420 v2 @ 2.20GHz  | 8593                                    | 186                       | 19.69                           | \$436.49       |
| Intel Xeon E5-2430 @ 2.20GHz     | 6878                                    | 274                       | 34.39                           | \$200.00       |
| Intel Xeon E5-2430 v2 @ 2.50GHz  | 8324                                    | 199                       | 14.87                           | \$559.99       |
| Intel Xeon E5-2430L v2 @ 2.40GHz | 6627                                    | Insufficient data         | NA                              | NA             |
| Intel Xeon E5-2440 @ 2.40GHz     | 9319                                    | 148                       | 15.53                           | \$600.00       |
| Intel Xeon E5-2440 v2 @ 1.90GHz  | 9425                                    | Insufficient data         | 11.25                           | \$837.99*      |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon E5-2450 @ 2.10GHz     | 10241                                   | Insufficient data         | 55.36                           | \$184.99       |
| Intel Xeon E5-2470 @ 2.30GHz     | 11149                                   | Insufficient data         | 7.53                            | \$1,479.99*    |
| Intel Xeon E5-2603 @ 1.80GHz     | 3508                                    | 685                       | 15.33                           | \$228.89       |
| Intel Xeon E5-2603 v2 @ 1.80GHz  | 3772                                    | 621                       | 17.97                           | \$209.99       |
| Intel Xeon E5-2603 v3 @ 1.60GHz  | 4967                                    | 437                       | 23.65                           | \$210.00       |

| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Xeon E5-2609 @ 2.40GHz     | 4594                                    | 489                       | 21.93                           | \$209.50       |
| Intel Xeon E5-2609 v2 @ 2.50GHz  | 4998                                    | 432                       | 16.66                           | \$299.99       |
| Intel Xeon E5-2609 v3 @ 1.90GHz  | 5888                                    | 345                       | 19.69                           | \$299.00       |
| Intel Xeon E5-2620 @ 2.00GHz     | 7965                                    | 216                       | 18.33                           | \$434.59       |
| Intel Xeon E5-2620 v2 @ 2.10GHz  | 8689                                    | 182                       | 21.51                           | \$404.02       |
| Intel Xeon E5-2620 v3 @ 2.40GHz  | 10005                                   | 103                       | 24.17                           | \$413.99       |
| Intel Xeon E5-2623 v3 @ 3.00GHz  | 9007                                    | 164                       | 19.11                           | \$471.49       |
| Intel Xeon E5-2628L v2 @ 1.90GHz | 9405                                    | Insufficient data         | NA                              | NA             |
| Intel Xeon E5-2628L v3 @ 2.00GHz | 12844                                   | Insufficient data         | NA                              | NA             |
| Intel Xeon E5-2630 @ 2.30GHz     | 8926                                    | 173                       | 12.77                           | \$698.99       |
| Intel Xeon E5-2630 v2 @ 2.60GHz  | 10435                                   | 86                        | 17.11                           | \$609.99       |
| Intel Xeon E5-2630 v3 @ 2.40GHz  | 12841                                   | 61                        | 20.55                           | \$625.00       |
| Intel Xeon E5-2630 v4 @ 2.20GHz  | 14708                                   | 42                        | NA                              | NA             |
| Intel Xeon E5-2630L @ 2.00GHz    | 7868                                    | 218                       | NA                              | NA             |
| Intel Xeon E5-2637 v2 @ 3.50GHz  | 9324                                    | 146                       | 8.73                            | \$1,068.24*    |
| Intel Xeon E5-2637 v3 @ 3.50GHz  | 10306                                   | 91                        | 9.84                            | \$1,047.56     |
| Intel Xeon E5-2637 v4 @ 3.50GHz  | 9791                                    | 117                       | NA                              | NA             |
| Intel Xeon E5-2640 @ 2.50GHz     | 9737                                    | 120                       | 16.84                           | \$578.11       |
| Intel Xeon E5-2640 v2 @ 2.00GHz  | 9914                                    | 108                       | 11.14                           | \$889.99       |
| Intel Xeon E5-2640 v3 @ 2.60GHz  | 14055                                   | 46                        | 14.44                           | \$973.64       |
| Intel Xeon E5-2640 v4 @ 2.40GHz  | 15776                                   | 36                        | NA                              | NA             |
| Intel Xeon E5-2643 @ 3.30GHz     | 8474                                    | 194                       | 13.93                           | \$608.59       |
| Intel Xeon E5-2643 v2 @ 3.50GHz  | 11735                                   | 73                        | 6.49                            | \$1,808.95     |
| Intel Xeon E5-2643 v3 @ 3.40GHz  | 13671                                   | 51                        | 7.42                            | \$1,843.00     |
| Intel Xeon E5-2648L v3 @ 1.80GHz | 11988                                   | 69                        | NA                              | NA             |
| Intel Xeon E5-2650 @ 2.00GHz     | 10436                                   | 85                        | 24.44                           | \$427.00       |
| Intel Xeon E5-2650 v2 @ 2.60GHz  | 13026                                   | 58                        | 11.34                           | \$1,148.85     |
| Intel Xeon E5-2650 v3 @ 2.30GHz  | 15239                                   | 39                        | 13.91                           | \$1,095.37     |
| Intel Xeon E5-2651 v2 @ 1.80GHz  | 11178                                   | 77                        | NA                              | NA             |
| Intel Xeon E5-2658 @ 2.10GHz     | 9484                                    | 133                       | 10.54                           | \$899.95*      |
| Intel Xeon E5-2658 v2 @ 2.40GHz  | 13875                                   | 48                        | NA                              | NA             |
| Intel Xeon E5-2658 v3 @ 2.20GHz  | 15700                                   | 37                        | NA                              | NA             |
| Intel Xeon E5-2660 @ 2.20GHz     | 11535                                   | 74                        | 66.44                           | \$173.62       |
| Intel Xeon E5-2660 v2 @ 2.20GHz  | 13659                                   | 52                        | 9.76                            | \$1,399.99     |
| Intel Xeon E5-2660 v3 @ 2.60GHz  | 16163                                   | 32                        | 10.85                           | \$1,490.00     |
| Intel Xeon E5-2663 v3 @ 2.80GHz  | 13081                                   | Insufficient data         | NA                              | NA             |
| Intel Xeon E5-2665 @ 2.40GHz     | 12133                                   | 67                        | 11.17                           | \$1,085.88*    |
| Intel Xeon E5-2667 @ 2.90GHz     | 10380                                   | 88                        | 5.65                            | \$1,837.78*    |
| Intel Xeon E5-2667 v2 @ 3.30GHz  | 16375                                   | 29                        | 6.83                            | \$2,399.00     |
| Intel Xeon E5-2667 v3 @ 3.20GHz  | 16107                                   | 33                        | 7.63                            | \$2,110.00*    |
| Intel Xeon E5-2670 @ 2.60GHz     | 12482                                   | 66                        | 34.94                           | \$357.25       |
| Intel Xeon E5-2670 v2 @ 2.50GHz  | 14975                                   | 40                        | 9.60                            | \$1,559.99     |
| Intel Xeon E5-2670 v3 @ 2.30GHz  | 16549                                   | 27                        | 10.34                           | \$1,600.00     |
| Intel Xeon E5-2673 v2 @ 3.30GHz  | 16319                                   | 31                        | NA                              | NA             |
| CPU Name                         | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon E5-2673 v3 @ 2.40GHz  | 16659                                   | 25                        | NA                              | NA             |
| Intel Xeon E5-2675 v3 @ 1.80GHz  | 15872                                   | 35                        | NA                              | NA             |
| Intel Xeon E5-2676 v3 @ 2.40GHz  | 17709                                   | 18                        | NA                              | NA             |
| Intel Xeon E5-2678 v3 @ 2.50GHz  | 16320                                   | 30                        | NA                              | NA             |
| Intel Xeon E5-2680 @ 2.70GHz     | 12928                                   | 60                        | 22.52                           | \$574.00       |
| Intel Xeon E5-2680 v2 @ 2.80GHz  | 16379                                   | 28                        | 9.27                            | \$1,767.16     |
| Intel Xeon E5-2680 v3 @ 2.50GHz  | 18890                                   | 13                        | 11.24                           | \$1,680.00     |
| Intel Xeon E5-2680 v4 @ 2.40GHz  | 21448                                   | 9                         | NA                              | NA             |
| Intel Xeon E5-2683 v3 @ 2.00GHz  | 18013                                   | 16                        | 8.43                            | \$2,136.99*    |
| Intel Xeon E5-2685 v3 @ 2.60GHz  | 14154                                   | 45                        | NA                              | NA             |
| Intel Xeon E5-2686 v3 @ 2.00GHz  | 18783                                   | 14                        | NA                              | NA             |
| Intel Xeon E5-2687W @ 3.10GHz    | 14427                                   | 44                        | 7.34                            | \$1,966.70     |
| Intel Xeon E5-2687W v2 @ 3.40GHz | 16666                                   | 24                        | 7.94                            | \$2,099.99     |
| Intel Xeon E5-2687W v3 @ 3.10GHz | 17713                                   | 17                        | 8.13                            | \$2,179.99     |
| Intel Xeon E5-2689 @ 2.60GHz     | 13869                                   | 49                        | NA                              | NA             |
| Intel Xeon E5-2690 @ 2.90GHz     | 14445                                   | 43                        | 9.73                            | \$1,484.15     |
| Intel Xeon E5-2690 v2 @ 3.00GHz  | 16596                                   | 26                        | 8.04                            | \$2,064.99     |
| Intel Xeon E5-2690 v3 @ 2.60GHz  | 19449                                   | 12                        | 9.09                            | \$2,140.00     |
| Intel Xeon E5-2690 v4 @ 2.60GHz  | 23199                                   | 2                         | NA                              | NA             |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E5-2692 v2 @ 2.20GHz | 14876                                | 41                     | NA                           | NA          |
| Intel Xeon E5-2695 v2 @ 2.40GHz | 15502                                | 38                     | 6.33                         | \$2,448.49* |
| Intel Xeon E5-2695 v3 @ 2.30GHz | 20761                                | 11                     | 8.99                         | \$2,310.00  |
| Intel Xeon E5-2696 v2 @ 2.50GHz | 16681                                | 23                     | NA                           | NA          |
| Intel Xeon E5-2696 v3 @ 2.30GHz | 22422                                | 4                      | NA                           | NA          |
| Intel Xeon E5-2696 v4 @ 2.20GHz | 21954                                | 6                      | NA                           | NA          |
| Intel Xeon E5-2697 v2 @ 2.70GHz | 17411                                | 20                     | 6.94                         | \$2,509.99  |
| Intel Xeon E5-2697 v3 @ 2.60GHz | 21667                                | 7                      | 7.91                         | \$2,740.00  |
| Intel Xeon E5-2697 v4 @ 2.30GHz | 24037                                | 1                      | 8.58                         | \$2,799.99  |
| Intel Xeon E5-2698 v3 @ 2.30GHz | 22197                                | 5                      | 6.09                         | \$3,645.52* |
| Intel Xeon E5-2699 v3 @ 2.30GHz | 22740                                | 3                      | 5.98                         | \$3,800.00  |
| Intel Xeon E5-2699 v4 @ 2.20GHz | 21277                                | 10                     | NA                           | NA          |
| Intel Xeon E5-4603 @ 2.00GHz    | 5014                                 | Insufficient data      | 7.04                         | \$712.23*   |
| Intel Xeon E5-4650 @ 2.70GHz    | 11960                                | 70                     | 3.07                         | \$3,899.99* |
| Intel Xeon E3110 @ 3.00GHz      | 2229                                 | 1035                   | 67.58                        | \$32.99     |
| Intel Xeon E3113 @ 3.00GHz      | 2427                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon E3120 @ 3.16GHz      | 2287                                 | 1004                   | NA                           | NA          |
| Intel Xeon E5205 @ 1.86GHz      | 1401                                 | 1356                   | 140.28                       | \$9.99      |
| Intel Xeon E5240 @ 3.00GHz      | 2461                                 | 952                    | NA                           | NA          |
| Intel Xeon E5310 @ 1.60GHz      | 2264                                 | 1014                   | 14.33                        | \$158.00*   |
| Intel Xeon E5320 @ 1.86GHz      | 2269                                 | 1013                   | 68.78                        | \$33.00*    |
| Intel Xeon E5335 @ 2.00GHz      | 2559                                 | 928                    | 44.14                        | \$58.00*    |
| Intel Xeon E5345 @ 2.33GHz      | 2947                                 | 825                    | 37.26                        | \$79.12*    |
| Intel Xeon E5405 @ 2.00GHz      | 2907                                 | 835                    | 13.21                        | \$220.00    |
| Intel Xeon E5410 @ 2.33GHz      | 3290                                 | 735                    | 14.96                        | \$220.00    |
| Intel Xeon E5420 @ 2.50GHz      | 3553                                 | 669                    | 96.05                        | \$36.99     |
| Intel Xeon E5430 @ 2.66GHz      | 3898                                 | 602                    | 64.98                        | \$60.00*    |
| Intel Xeon E5440 @ 2.83GHz      | 4037                                 | 577                    | 100.97                       | \$39.99     |
| Intel Xeon E5450 @ 3.00GHz      | 4312                                 | 530                    | 26.28                        | \$164.13*   |
| Intel Xeon E5462 @ 2.80GHz      | 4125                                 | 564                    | 19.75                        | \$208.95*   |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E5472 @ 3.00GHz      | 4322                                 | 526                    | 3.93                         | \$1,098.95* |
| Intel Xeon E5502 @ 1.87GHz      | 1381                                 | 1367                   | 6.74                         | \$204.99*   |
| Intel Xeon E5503 @ 2.00GHz      | 1485                                 | 1322                   | 4.95                         | \$299.99*   |
| Intel Xeon E5504 @ 2.00GHz      | 2775                                 | 870                    | 86.75                        | \$32.00*    |
| Intel Xeon E5506 @ 2.13GHz      | 3005                                 | 805                    | 103.65                       | \$29.00*    |
| Intel Xeon E5507 @ 2.27GHz      | 3234                                 | 747                    | 64.71                        | \$49.99*    |
| Intel Xeon E5520 @ 2.27GHz      | 4454                                 | 505                    | 45.92                        | \$97.00     |
| Intel Xeon E5530 @ 2.40GHz      | 4621                                 | 484                    | 30.02                        | \$153.96*   |
| Intel Xeon E5540 @ 2.53GHz      | 4874                                 | 451                    | 202.68                       | \$24.05*    |
| Intel Xeon E5603 @ 1.60GHz      | 2364                                 | 983                    | 10.65                        | \$221.99*   |
| Intel Xeon E5606 @ 2.13GHz      | 3087                                 | 783                    | 29.69                        | \$103.99    |
| Intel Xeon E5607 @ 2.27GHz      | 3459                                 | 700                    | 17.91                        | \$193.18*   |
| Intel Xeon E5620 @ 2.40GHz      | 4902                                 | 447                    | 233.43                       | \$21.00     |
| Intel Xeon E5630 @ 2.53GHz      | 5166                                 | 418                    | 90.24                        | \$57.25*    |
| Intel Xeon E5640 @ 2.67GHz      | 5435                                 | 392                    | 43.81                        | \$124.07    |
| Intel Xeon E5645 @ 2.40GHz      | 6533                                 | 299                    | 74.24                        | \$88.00     |
| Intel Xeon E5649 @ 2.53GHz      | 7079                                 | 261                    | 48.12                        | \$147.14    |
| Intel Xeon E7320 @ 2.13GHz      | 2413                                 | Insufficient data      | NA                           | NA          |
| Intel Xeon L3110 @ 3.00GHz      | 2273                                 | 1012                   | NA                           | NA          |
| Intel Xeon L3360 @ 2.83GHz      | 3551                                 | Insufficient data      | 37.43                        | \$94.90*    |
| Intel Xeon L3426 @ 1.87GHz      | 3980                                 | 588                    | 12.21                        | \$325.99*   |
| Intel Xeon L5238 @ 2.66GHz      | 1823                                 | 1175                   | NA                           | NA          |
| Intel Xeon L5240 @ 3.00GHz      | 2313                                 | 995                    | NA                           | NA          |
| Intel Xeon L5310 @ 1.60GHz      | 2274                                 | 1010                   | NA                           | NA          |
| Intel Xeon L5320 @ 1.86GHz      | 2507                                 | 939                    | 19.13                        | \$131.06*   |
| Intel Xeon L5335 @ 2.00GHz      | 2756                                 | 878                    | NA                           | NA          |
| Intel Xeon L5408 @ 2.13GHz      | 3114                                 | 779                    | NA                           | NA          |
| Intel Xeon L5410 @ 2.33GHz      | 3458                                 | 701                    | 30.07                        | \$115.03*   |
| Intel Xeon L5420 @ 2.50GHz      | 3503                                 | 686                    | 67.37                        | \$52.00*    |
| Intel Xeon L5430 @ 2.66GHz      | 3907                                 | 601                    | NA                           | NA          |
| Intel Xeon L5506 @ 2.13GHz      | 3715                                 | 634                    | NA                           | NA          |
| Intel Xeon L5520 @ 2.27GHz      | 4377                                 | 518                    | 50.20                        | \$87.20*    |
| Intel Xeon L5530 @ 2.40GHz      | 4351                                 | Insufficient data      | NA                           | NA          |

| CPU Name                   | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|----------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Intel Xeon L5630 @ 2.13GHz | 4420                                    | 510                       | 9.80                            | \$451.05*      |
| Intel Xeon L5638 @ 2.00GHz | 5695                                    | 363                       | NA                              | NA             |
| Intel Xeon L5639 @ 2.13GHz | 7021                                    | 266                       | NA                              | NA             |
| Intel Xeon L5640 @ 2.27GHz | 6619                                    | 289                       | 69.69                           | \$94.99        |
| Intel Xeon L7455 @ 2.13GHz | 3836                                    | Insufficient data         | NA                              | NA             |
| Intel Xeon MV 3.20GHz      | 683                                     | Insufficient data         | NA                              | NA             |
| Intel Xeon W3503 @ 2.40GHz | 1779                                    | 1191                      | NA                              | NA             |
| Intel Xeon W3505 @ 2.53GHz | 1870                                    | 1163                      | NA                              | NA             |
| Intel Xeon W3520 @ 2.67GHz | 5068                                    | 426                       | 13.70                           | \$369.95*      |
| Intel Xeon W3530 @ 2.80GHz | 5370                                    | 400                       | 18.27                           | \$293.95*      |
| Intel Xeon W3540 @ 2.93GHz | 5511                                    | 381                       | 7.89                            | \$698.95*      |
| Intel Xeon W3550 @ 3.07GHz | 5744                                    | 357                       | 49.44                           | \$116.20*      |
| Intel Xeon W3565 @ 3.20GHz | 6013                                    | 334                       | 18.62                           | \$322.99*      |
| Intel Xeon W3570 @ 3.20GHz | 6250                                    | 315                       | 5.73                            | \$1,089.99*    |
| Intel Xeon W3580 @ 3.33GHz | 6478                                    | 303                       | 5.98                            | \$1,083.47*    |
| Intel Xeon W3670 @ 3.20GHz | 8446                                    | 196                       | 8.76                            | \$964.60*      |
| CPU Name                   | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon W3680 @ 3.33GHz | 9338                                    | 145                       | 8.42                            | \$1,108.95     |
| Intel Xeon W3690 @ 3.47GHz | 9531                                    | 130                       | 6.03                            | \$1,579.91     |
| Intel Xeon W5580 @ 3.20GHz | 5828                                    | 350                       | 3.51                            | \$1,659.99*    |
| Intel Xeon W5590 @ 3.33GHz | 6181                                    | 322                       | 3.51                            | \$1,759.40*    |
| Intel Xeon X3210 @ 2.13GHz | 2802                                    | 863                       | 13.03                           | \$214.99*      |
| Intel Xeon X3220 @ 2.40GHz | 3128                                    | 777                       | 14.90                           | \$209.95*      |
| Intel Xeon X3230 @ 2.66GHz | 3461                                    | 697                       | 11.15                           | \$310.51*      |
| Intel Xeon X3320 @ 2.50GHz | 3432                                    | 707                       | 10.10                           | \$339.99*      |
| Intel Xeon X3323 @ 2.50GHz | 3308                                    | 729                       | 118.22                          | \$27.99        |
| Intel Xeon X3330 @ 2.66GHz | 3613                                    | 658                       | 38.45                           | \$94.00*       |
| Intel Xeon X3350 @ 2.66GHz | 3986                                    | 587                       | 44.30                           | \$89.99*       |
| Intel Xeon X3353 @ 2.66GHz | 3524                                    | 678                       | 47.00                           | \$74.99        |
| Intel Xeon X3360 @ 2.83GHz | 4086                                    | 569                       | 56.76                           | \$71.99        |
| Intel Xeon X3363 @ 2.83GHz | 4168                                    | 559                       | 52.12                           | \$79.99*       |
| Intel Xeon X3370 @ 3.00GHz | 4469                                    | 504                       | 12.23                           | \$365.50*      |
| Intel Xeon X3380 @ 3.16GHz | 4686                                    | 471                       | NA                              | NA             |
| Intel Xeon X3430 @ 2.40GHz | 3373                                    | 719                       | 13.54                           | \$249.19*      |
| Intel Xeon X3440 @ 2.53GHz | 4418                                    | 511                       | 8.68                            | \$508.95*      |
| Intel Xeon X3450 @ 2.67GHz | 4956                                    | 439                       | 28.73                           | \$172.54*      |
| Intel Xeon X3460 @ 2.80GHz | 5143                                    | 420                       | 14.82                           | \$346.99*      |
| Intel Xeon X3470 @ 2.93GHz | 5193                                    | 413                       | 10.18                           | \$509.95       |
| Intel Xeon X3480 @ 3.07GHz | 5968                                    | 338                       | NA                              | NA             |
| Intel Xeon X5260 @ 3.33GHz | 2487                                    | 945                       | 17.77                           | \$139.99       |
| Intel Xeon X5270 @ 3.50GHz | 2499                                    | 944                       | NA                              | NA             |
| Intel Xeon X5272 @ 3.40GHz | 2486                                    | 946                       | 5.78                            | \$429.95*      |
| Intel Xeon X5355 @ 2.66GHz | 3292                                    | 734                       | 23.45                           | \$140.42*      |
| Intel Xeon X5365 @ 3.00GHz | 3540                                    | 674                       | 12.80                           | \$276.64       |
| Intel Xeon X5450 @ 3.00GHz | 4243                                    | 547                       | 27.65                           | \$153.50*      |
| Intel Xeon X5460 @ 3.16GHz | 4495                                    | 499                       | 69.17                           | \$65.00        |
| Intel Xeon X5470 @ 3.33GHz | 4798                                    | 457                       | NA                              | NA             |
| Intel Xeon X5472 @ 3.00GHz | 4135                                    | 563                       | 4.90                            | \$844.50*      |
| Intel Xeon X5482 @ 3.20GHz | 4729                                    | 467                       | 49.79                           | \$94.99        |
| Intel Xeon X5492 @ 3.40GHz | 4968                                    | 436                       | 3.57                            | \$1,391.29*    |
| Intel Xeon X5550 @ 2.67GHz | 5416                                    | 396                       | 67.72                           | \$79.99        |
| Intel Xeon X5560 @ 2.80GHz | 5427                                    | 394                       | 139.16                          | \$39.00        |
| Intel Xeon X5570 @ 2.93GHz | 5707                                    | 362                       | 135.88                          | \$42.00        |
| Intel Xeon X5647 @ 2.93GHz | 6042                                    | 333                       | 5.00                            | \$1,207.50*    |
| Intel Xeon X5650 @ 2.67GHz | 7602                                    | 235                       | 69.94                           | \$108.70       |
| Intel Xeon X5660 @ 2.80GHz | 8001                                    | 214                       | 80.01                           | \$100.00       |
| Intel Xeon X5667 @ 3.07GHz | 4722                                    | 469                       | 72.66                           | \$65.00        |
| Intel Xeon X5670 @ 2.93GHz | 8108                                    | 207                       | 62.49                           | \$129.75       |
| Intel Xeon X5672 @ 3.20GHz | 5114                                    | 423                       | 31.95                           | \$160.05*      |
| Intel Xeon X5675 @ 3.07GHz | 8578                                    | 187                       | 46.62                           | \$184.00       |
| Intel Xeon X5677 @ 3.47GHz | 7020                                    | 268                       | 54.86                           | \$127.98*      |
| Intel Xeon X5679 @ 3.20GHz | 8652                                    | Insufficient data         | NA                              | NA             |
| Intel Xeon X5680 @ 3.33GHz | 8983                                    | 166                       | 31.52                           | \$285.00       |
| Intel Xeon X5687 @ 3.60GHz | 7195                                    | 253                       | 10.90                           | \$659.95       |

| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon X5690 @ 3.47GHz        | 9211                                 | 155                    | 17.57                        | \$524.36    |
| Intel Xeon X5698 @ 4.40GHz        | 4272                                 | 539                    | NA                           | NA          |
| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon X6550 @ 2.00GHz        | 2977                                 | Insufficient data      | NA                           | NA          |
| Mobile AMD Athlon 4               | 314                                  | 2024                   | 3.62                         | \$86.99*    |
| Mobile AMD Athlon 4 2400+         | 358                                  | 1977                   | NA                           | NA          |
| Mobile AMD Athlon 64 2700+        | 398                                  | 1932                   | NA                           | NA          |
| Mobile AMD Athlon 64 2800+        | 440                                  | 1883                   | NA                           | NA          |
| Mobile AMD Athlon 64 3000+        | 450                                  | 1871                   | NA                           | NA          |
| Mobile AMD Athlon 64 3200+        | 441                                  | 1881                   | NA                           | NA          |
| Mobile AMD Athlon 64 3400+        | 511                                  | 1818                   | NA                           | NA          |
| Mobile AMD Athlon 64 3700+        | 363                                  | 1973                   | NA                           | NA          |
| Mobile AMD Athlon 64 4000+        | 614                                  | 1757                   | NA                           | NA          |
| Mobile AMD Athlon 1400+           | 266                                  | 2101                   | NA                           | NA          |
| Mobile AMD Athlon 2500+           | 370                                  | 1962                   | NA                           | NA          |
| Mobile AMD Athlon MP-M 1800+      | 265                                  | Insufficient data      | NA                           | NA          |
| Mobile AMD Athlon MP-M 2000+      | 378                                  | 1954                   | NA                           | NA          |
| Mobile AMD Athlon MP-M 2400+      | 295                                  | Insufficient data      | NA                           | NA          |
| Mobile AMD Athlon MP-M 2800+      | 496                                  | 1829                   | NA                           | NA          |
| Mobile AMD Athlon XP              | 572                                  | 1778                   | 49.37                        | \$11.59*    |
| Mobile AMD Athlon XP-M            | 512                                  | 1816                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1400+      | 184                                  | 2183                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1500+      | 261                                  | 2107                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1600+      | 257                                  | 2111                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1700+      | 323                                  | 2013                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1800+      | 312                                  | 2027                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 1900+      | 342                                  | 1996                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2000+      | 300                                  | 2049                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2200+      | 364                                  | 1971                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2400+      | 346                                  | 1993                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2500+      | 351                                  | 1986                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2600+      | 370                                  | 1961                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 2800+      | 398                                  | 1933                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 3000+      | 365                                  | 1969                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 3100+      | 440                                  | 1884                   | NA                           | NA          |
| Mobile AMD Athlon XP-M 3200+      | 487                                  | 1837                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV)       | 508                                  | 1821                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 1500+ | 288                                  | 2064                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 1600+ | 296                                  | 2052                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 2000+ | 335                                  | 2004                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 2200+ | 373                                  | 1959                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 2800+ | 475                                  | 1850                   | NA                           | NA          |
| Mobile AMD Athlon XP-M (LV) 3200+ | 505                                  | 1823                   | NA                           | NA          |
| Mobile AMD Sempron 2100+          | 254                                  | 2115                   | NA                           | NA          |
| Mobile AMD Sempron 2600+          | 394                                  | 1940                   | NA                           | NA          |
| Mobile AMD Sempron 2800+          | 354                                  | 1984                   | NA                           | NA          |
| Mobile AMD Sempron 3000+          | 387                                  | 1947                   | NA                           | NA          |
| Mobile AMD Sempron 3100+          | 415                                  | 1905                   | NA                           | NA          |
| Mobile AMD Sempron 3200+          | 354                                  | 1983                   | NA                           | NA          |
| Mobile AMD Sempron 3300+          | 461                                  | 1861                   | NA                           | NA          |
| Mobile AMD Sempron 3400+          | 451                                  | 1870                   | NA                           | NA          |
| Mobile AMD Sempron 3500+          | 410                                  | 1914                   | NA                           | NA          |
| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Mobile AMD Sempron 3600+          | 434                                  | 1891                   | NA                           | NA          |
| Mobile AMD Sempron 3800+          | 517                                  | 1810                   | NA                           | NA          |
| Mobile Intel Celeron 1.20GHz      | 170                                  | 2191                   | NA                           | NA          |
| Mobile Intel Celeron 1.50GHz      | 188                                  | 2177                   | NA                           | NA          |
| Mobile Intel Celeron 1.60GHz      | 188                                  | 2178                   | NA                           | NA          |
| Mobile Intel Celeron 1.70GHz      | 181                                  | 2185                   | NA                           | NA          |
| Mobile Intel Celeron 1.80GHz      | 186                                  | 2180                   | NA                           | NA          |
| Mobile Intel Celeron 2.00GHz      | 241                                  | 2133                   | NA                           | NA          |
| Mobile Intel Celeron 2.20GHz      | 226                                  | 2147                   | NA                           | NA          |

| CPU Name                             | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| Mobile Intel Celeron 2.40GHz         | 239                                     | 2134                      | NA                              | NA             |
| Mobile Intel Celeron 2.50GHz         | 281                                     | 2082                      | NA                              | NA             |
| Mobile Intel Celeron 1200MHz         | 294                                     | 2054                      | NA                              | NA             |
| Mobile Intel Celeron 1333MHz         | 309                                     | 2032                      | NA                              | NA             |
| Mobile Intel Pentium 4 2.30GHz       | 278                                     | 2088                      | 6.38                            | \$43.56*       |
| Mobile Intel Pentium 4 2.40GHz       | 264                                     | 2103                      | NA                              | NA             |
| Mobile Intel Pentium 4 2.66GHz       | 279                                     | 2086                      | NA                              | NA             |
| Mobile Intel Pentium 4 2.80GHz       | 315                                     | 2023                      | NA                              | NA             |
| Mobile Intel Pentium 4 3.06GHz       | 337                                     | 2000                      | NA                              | NA             |
| Mobile Intel Pentium 4 3.20GHz       | 356                                     | 1980                      | NA                              | NA             |
| Mobile Intel Pentium 4 3.33GHz       | 439                                     | 1886                      | NA                              | NA             |
| Mobile Intel Pentium 4 3.46GHz       | 478                                     | 1847                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 1.60GHz   | 195                                     | 2172                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 1.70GHz   | 177                                     | 2187                      | 0.96                            | \$183.98       |
| Mobile Intel Pentium 4 - M 1.80GHz   | 221                                     | 2151                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 1.90GHz   | 232                                     | 2141                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 2.00GHz   | 220                                     | 2152                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 2.20GHz   | 211                                     | 2165                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 2.40GHz   | 213                                     | 2161                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 2.50GHz   | 256                                     | 2114                      | NA                              | NA             |
| Mobile Intel Pentium 4 - M 2.60GHz   | 313                                     | 2025                      | NA                              | NA             |
| Mobile Intel Pentium III - M 866MHz  | 211                                     | 2164                      | NA                              | NA             |
| Mobile Intel Pentium III - M 933MHz  | 226                                     | 2146                      | NA                              | NA             |
| Mobile Intel Pentium III - M 1000MHz | 250                                     | 2122                      | NA                              | NA             |
| Mobile Intel Pentium III - M 1133MHz | 289                                     | 2062                      | NA                              | NA             |
| Mobile Intel Pentium III - M 1200MHz | 263                                     | 2104                      | NA                              | NA             |
| Mobile Intel Pentium III - M 1333MHz | 289                                     | 2063                      | NA                              | NA             |
| Quad-Core AMD Opteron 1385           | 3620                                    | 653                       | 46.43                           | \$77.99        |
| Quad-Core AMD Opteron 1389           | 3046                                    | 796                       | NA                              | NA             |
| VIA C3 Ezra                          | 100                                     | 2215                      | NA                              | NA             |
| VIA C7 1500MHz                       | 284                                     | 2076                      | NA                              | NA             |
| VIA C7-D 1500MHz                     | 287                                     | 2072                      | NA                              | NA             |
| VIA C7-D 1800MHz                     | 198                                     | 2170                      | NA                              | NA             |
| VIA C7-D 2000MHz                     | 368                                     | 1964                      | NA                              | NA             |
| VIA C7-M 1000MHz                     | 164                                     | 2194                      | NA                              | NA             |
| VIA C7-M 1200MHz                     | 143                                     | 2204                      | NA                              | NA             |
| VIA C7-M 1600MHz                     | 188                                     | 2179                      | NA                              | NA             |
| VIA C7-M 6300MHz                     | 222                                     | 2150                      | NA                              | NA             |
| VIA Eden 800MHz                      | 155                                     | 2197                      | NA                              | NA             |
| VIA Eden X2 U4200 @ 1.0+ GHz         | 478                                     | 1848                      | NA                              | NA             |
| CPU Name                             | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| VIA Eden X4 C4250 @ 1.2+GHz          | 1147                                    | 1495                      | NA                              | NA             |
| VIA Esther 1000MHz                   | 169                                     | 2192                      | NA                              | NA             |
| VIA Esther 1300MHz                   | 250                                     | 2121                      | NA                              | NA             |
| VIA Esther 1500MHz                   | 219                                     | 2154                      | NA                              | NA             |
| VIA Esther 2000MHz                   | 394                                     | 1939                      | NA                              | NA             |
| VIA Nano L1900@1400MHz               | 457                                     | 1864                      | NA                              | NA             |
| VIA Nano L2007@1600MHz               | 381                                     | 1950                      | NA                              | NA             |
| VIA Nano L2100@1800MHz               | 428                                     | 1895                      | NA                              | NA             |
| VIA Nano L2207@1600MHz               | 340                                     | Insufficient data         | NA                              | NA             |
| VIA Nano L3025@1600MHz               | 517                                     | 1811                      | NA                              | NA             |
| VIA Nano L3050@1800MHz               | 581                                     | 1772                      | NA                              | NA             |
| VIA Nano L3600@2000MHz               | 645                                     | 1742                      | NA                              | NA             |
| VIA Nano U2250 (1.6GHz Capable)      | 377                                     | 1955                      | NA                              | NA             |
| VIA Nano U2250@1300+MHz              | 274                                     | 2093                      | NA                              | NA             |
| VIA Nano U2500@1200MHz               | 306                                     | 2037                      | NA                              | NA             |
| VIA Nano U3100 (1.6GHz Capable)      | 501                                     | 1824                      | NA                              | NA             |
| VIA Nano U3300@1200MHz               | 409                                     | 1915                      | NA                              | NA             |
| VIA Nano U3500@1000MHz               | 306                                     | 2036                      | NA                              | NA             |
| VIA Nano X2 U4025 @ 1.2 GHz          | 639                                     | Insufficient data         | NA                              | NA             |
| VIA Nehemiah                         | 155                                     | 2198                      | NA                              | NA             |
| VIA QuadCore C4650@2.0GHz            | 1965                                    | 1119                      | NA                              | NA             |
| VIA QuadCore L4700 @ 1.2+ GHz        | 1363                                    | Insufficient data         | NA                              | NA             |
| VIA QuadCore U4650 @ 1.0+ GHz        | 1173                                    | 1476                      | NA                              | NA             |

| CPU Name     | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| VIA Samuel 2 | 79                                      | 2217                      | NA                              | NA             |

\* - Last price seen from our affiliates.

## Multi CPU Systems

| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [3-Way] Intel Xeon X7460 @ 2.66GHz | 7672                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Athlon 64 FX-72     | 3163                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Athlon 64 FX-74     | 3224                                    | 211                       | 3.23                            | \$999.00*      |
| [Dual CPU] AMD Athlon MP 2000+     | 604                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 246         | 1130                                    | 233                       | 5.19                            | \$217.90*      |
| [Dual CPU] AMD Opteron 248         | 1053                                    | 234                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 250         | 1438                                    | 231                       | 8.30                            | \$173.34*      |
| [Dual CPU] AMD Opteron 252         | 1385                                    | 232                       | 10.82                           | \$128.06       |
| [Dual CPU] AMD Opteron 256         | 1853                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 270         | 2226                                    | 227                       | 1.82                            | \$1,219.92     |
| [Dual CPU] AMD Opteron 275         | 2133                                    | 229                       | 16.41                           | \$129.98       |
| [Dual CPU] AMD Opteron 280         | 2524                                    | 223                       | 1.69                            | \$1,497.32     |
| [Dual CPU] AMD Opteron 285         | 2772                                    | 220                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 290         | 2826                                    | 218                       | 10.47                           | \$270.00*      |
| [Dual CPU] AMD Opteron 885         | 2851                                    | 217                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2212        | 2277                                    | 226                       | 87.58                           | \$26.00        |
| [Dual CPU] AMD Opteron 2214 HE     | 2310                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 2216        | 2485                                    | 224                       | 4.39                            | \$566.00*      |
| [Dual CPU] AMD Opteron 2216 HE     | 2593                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 2218        | 2719                                    | 221                       | 21.23                           | \$128.06       |
| [Dual CPU] AMD Opteron 2218 HE     | 2397                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 2220        | 2917                                    | 215                       | 33.92                           | \$86.00        |
| [Dual CPU] AMD Opteron 2220 SE     | 2882                                    | 216                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2222        | 2948                                    | 214                       | 0.89                            | \$3,329.96*    |
| [Dual CPU] AMD Opteron 2222 SE     | 3303                                    | 210                       | 117.96                          | \$28.00*       |
| [Dual CPU] AMD Opteron 2346 HE     | 4095                                    | 204                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2347 HE     | 3313                                    | 209                       | 7.02                            | \$471.66*      |
| [Dual CPU] AMD Opteron 2350        | 4421                                    | 199                       | 8.19                            | \$539.98*      |
| [Dual CPU] AMD Opteron 2354        | 4570                                    | 197                       | 6.95                            | \$657.56*      |
| [Dual CPU] AMD Opteron 2356        | 4458                                    | 198                       | 31.07                           | \$143.48       |
| [Dual CPU] AMD Opteron 2360 SE     | 5315                                    | 186                       | 85.73                           | \$62.00        |
| [Dual CPU] AMD Opteron 2374 HE     | 5161                                    | Insufficient data         | 13.58                           | \$379.98*      |
| [Dual CPU] AMD Opteron 2376        | 5238                                    | 188                       | 47.62                           | \$110.00*      |
| [Dual CPU] AMD Opteron 2378        | 5559                                    | Insufficient data         | 15.53                           | \$358.00*      |
| [Dual CPU] AMD Opteron 2380        | 5754                                    | 179                       | 179.81                          | \$32.00        |
| [Dual CPU] AMD Opteron 2384        | 5977                                    | 174                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2387        | 6441                                    | 165                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2389        | 5610                                    | 181                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2419        | 5571                                    | 184                       | 27.86                           | \$199.98*      |
| [Dual CPU] AMD Opteron 2425 HE     | 6209                                    | 169                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 2427        | 6175                                    | 171                       | 27.04                           | \$228.38       |
| [Dual CPU] AMD Opteron 2431        | 7044                                    | Insufficient data         | 19.04                           | \$370.00*      |
| [Dual CPU] AMD Opteron 2435        | 7395                                    | 148                       | 30.71                           | \$240.80*      |
| [Dual CPU] AMD Opteron 2439 SE     | 8093                                    | 136                       | 44.97                           | \$179.98*      |
| [Dual CPU] AMD Opteron 4122        | 4076                                    | 205                       | 7.84                            | \$519.90       |
| [Dual CPU] AMD Opteron 4130        | 5828                                    | 177                       | 9.43                            | \$617.90       |
| [Dual CPU] AMD Opteron 4170 HE     | 6254                                    | 168                       | 14.21                           | \$440.02       |
| [Dual CPU] AMD Opteron 4184        | 7870                                    | 141                       | 7.57                            | \$1,039.90     |
| [Dual CPU] AMD Opteron 4226        | 8088                                    | 137                       | 15.92                           | \$507.98*      |
| [Dual CPU] AMD Opteron 4228 HE     | 7986                                    | Insufficient data         | NA                              | NA             |
| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |

| CPU Name                                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [Dual CPU] AMD Opteron 4234                    | 9361                                    | 113                       | 12.20                           | \$767.56       |
| [Dual CPU] AMD Opteron 4276 HE                 | 9681                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 4280                    | 4525                                    | Insufficient data         | 4.96                            | \$912.88*      |
| [Dual CPU] AMD Opteron 4284                    | 6506                                    | Insufficient data         | 9.10                            | \$714.60*      |
| [Dual CPU] AMD Opteron 4334                    | 9468                                    | Insufficient data         | 23.67                           | \$399.98       |
| [Dual CPU] AMD Opteron 4376 HE                 | 10104                                   | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 4386                    | 11888                                   | 88                        | 18.01                           | \$659.98       |
| [Dual CPU] AMD Opteron 6128                    | 6959                                    | 160                       | 39.03                           | \$178.32       |
| [Dual CPU] AMD Opteron 6132 HE                 | 8657                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 6136                    | 7390                                    | 149                       | 6.30                            | \$1,173.82     |
| [Dual CPU] AMD Opteron 6168                    | 7741                                    | Insufficient data         | 17.88                           | \$433.02*      |
| [Dual CPU] AMD Opteron 6172                    | 7764                                    | Insufficient data         | 31.35                           | \$247.68       |
| [Dual CPU] AMD Opteron 6174                    | 8776                                    | 123                       | 59.04                           | \$148.64       |
| [Dual CPU] AMD Opteron 6180 SE                 | 3114                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 6204                    | 7134                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 6212                    | 8955                                    | 119                       | 10.92                           | \$819.98       |
| [Dual CPU] AMD Opteron 6220                    | 10401                                   | 102                       | 20.86                           | \$498.52       |
| [Dual CPU] AMD Opteron 6234                    | 10504                                   | Insufficient data         | 13.13                           | \$799.98*      |
| [Dual CPU] AMD Opteron 6272                    | 10006                                   | 106                       | 15.39                           | \$650.00       |
| [Dual CPU] AMD Opteron 6274                    | 10682                                   | 98                        | 6.10                            | \$1,749.90     |
| [Dual CPU] AMD Opteron 6275                    | 9936                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] AMD Opteron 6276                    | 10379                                   | 103                       | 52.79                           | \$196.62       |
| [Dual CPU] AMD Opteron 6284 SE                 | 11985                                   | 86                        | NA                              | NA             |
| [Dual CPU] AMD Opteron 6308                    | 8131                                    | Insufficient data         | 7.41                            | \$1,097.86     |
| [Dual CPU] AMD Opteron 6320                    | 10489                                   | 101                       | 17.48                           | \$599.98       |
| [Dual CPU] AMD Opteron 6328                    | 11810                                   | 90                        | 9.66                            | \$1,222.46     |
| [Dual CPU] AMD Opteron 6344                    | 11178                                   | 94                        | 14.37                           | \$778.00       |
| [Dual CPU] AMD Opteron 6348                    | 12180                                   | Insufficient data         | 10.15                           | \$1,199.98     |
| [Dual CPU] AMD Opteron 6376                    | 11476                                   | 93                        | 8.20                            | \$1,399.98     |
| [Dual CPU] AMD Opteron 6380                    | 14200                                   | 69                        | 6.39                            | \$2,221.98     |
| [Dual CPU] AMD Opteron 6386 SE                 | 10764                                   | 97                        | 2.24                            | \$4,815.02*    |
| [Dual CPU] AMD Opteron 8218                    | 2831                                    | Insufficient data         | 42.91                           | \$65.98*       |
| [Dual CPU] AMD Opteron 8222 SE                 | 2792                                    | Insufficient data         | 0.53                            | \$5,286.42     |
| [Dual CPU] AMD Opteron 8354                    | 3223                                    | Insufficient data         | 115.11                          | \$28.00        |
| [Dual CPU] AMD Opteron 8380                    | 5643                                    | Insufficient data         | 13.70                           | \$412.00*      |
| [Dual CPU] AMD Opteron 8389                    | 6517                                    | Insufficient data         | 12.23                           | \$532.82*      |
| [Dual CPU] AMD Opteron 8431                    | 5813                                    | 178                       | NA                              | NA             |
| [Dual CPU] AMD Opteron 8435                    | 7606                                    | 146                       | 28.17                           | \$270.00*      |
| [Dual CPU] AMD Opteron 8439 SE                 | 7875                                    | 140                       | NA                              | NA             |
| [Dual CPU] Dual-Core AMD Opteron 2212 HE       | 2302                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Dual-Core AMD Opteron 8224 SE       | 3532                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz | 8310                                    | 130                       | 4.18                            | \$1,990.00*    |
| [Dual CPU] Intel Pentium III - S 1400MHz       | 543                                     | 242                       | NA                              | NA             |
| [Dual CPU] Intel Pentium III family 1133MHz    | 450                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Pentium III family 1266MHz    | 465                                     | 245                       | NA                              | NA             |
| [Dual CPU] Intel Pentium III family 1400MHz    | 540                                     | 243                       | NA                              | NA             |
| [Dual CPU] Intel XEON 1.80GHz                  | 362                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel XEON 2.20GHz                  | 453                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon 2.40GHz                  | 486                                     | 244                       | 26.70                           | \$18.20*       |
| CPU Name                                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| [Dual CPU] Intel Xeon 2.66GHz                  | 601                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon 2.80GHz                  | 673                                     | 240                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.00GHz                  | 781                                     | 239                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.06GHz                  | 604                                     | 241                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.20GHz                  | 866                                     | 238                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.40GHz                  | 893                                     | 237                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.60GHz                  | 927                                     | 236                       | 0.54                            | \$1,702.00*    |
| [Dual CPU] Intel Xeon 3.73GHz                  | 1914                                    | 230                       | NA                              | NA             |
| [Dual CPU] Intel Xeon 3.80GHz                  | 984                                     | 235                       | 0.58                            | \$1,702.00*    |
| [Dual CPU] Intel Xeon 5110 @ 1.60GHz           | 2175                                    | 228                       | 17.13                           | \$126.98*      |
| [Dual CPU] Intel Xeon 5120 @ 1.86GHz           | 2310                                    | 225                       | 4.36                            | \$530.00*      |
| [Dual CPU] Intel Xeon 5130 @ 2.00GHz           | 2620                                    | 222                       | 172.60                          | \$15.18        |
| [Dual CPU] Intel Xeon 5138 @ 2.13GHz           | 3017                                    | Insufficient data         | NA                              | NA             |



| CPU Name                                    | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [Dual CPU] Intel Xeon 5140 @ 2.33GHz        | 3030                                    | 212                       | 137.73                          | \$22.00        |
| [Dual CPU] Intel Xeon 5148 @ 2.33GHz        | 2999                                    | 213                       | 115.43                          | \$25.98        |
| [Dual CPU] Intel Xeon 5150 @ 2.66GHz        | 3505                                    | 208                       | 175.43                          | \$19.98        |
| [Dual CPU] Intel Xeon 5160 @ 3.00GHz        | 3880                                    | 206                       | 107.78                          | \$36.00*       |
| [Dual CPU] Intel Xeon E5-2403 @ 1.80GHz     | 5988                                    | Insufficient data         | 12.16                           | \$492.56       |
| [Dual CPU] Intel Xeon E5-2407 @ 2.20GHz     | 7387                                    | 150                       | 12.81                           | \$576.50       |
| [Dual CPU] Intel Xeon E5-2420 @ 1.90GHz     | 11832                                   | 89                        | 14.28                           | \$828.50       |
| [Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz  | 12487                                   | 82                        | 14.30                           | \$872.98       |
| [Dual CPU] Intel Xeon E5-2430 @ 2.20GHz     | 13637                                   | 72                        | 34.09                           | \$400.00       |
| [Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz  | 14265                                   | Insufficient data         | 12.74                           | \$1,119.98     |
| [Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz | 12354                                   | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2450L @ 1.80GHz    | 11876                                   | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2470 @ 2.30GHz     | 16613                                   | Insufficient data         | 5.61                            | \$2,959.98*    |
| [Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz  | 18512                                   | 50                        | 5.80                            | \$3,193.30*    |
| [Dual CPU] Intel Xeon E5-2603 @ 1.80GHz     | 6254                                    | 167                       | 13.66                           | \$457.78       |
| [Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz  | 6518                                    | 163                       | 15.52                           | \$419.98       |
| [Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz  | 8305                                    | 131                       | 19.77                           | \$420.00       |
| [Dual CPU] Intel Xeon E5-2609 @ 2.40GHz     | 8166                                    | 134                       | 19.49                           | \$419.00       |
| [Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz  | 8672                                    | 125                       | 14.45                           | \$599.98       |
| [Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz  | 9812                                    | 109                       | 16.41                           | \$598.00       |
| [Dual CPU] Intel Xeon E5-2620 @ 2.00GHz     | 12585                                   | 81                        | 14.48                           | \$869.18       |
| [Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz  | 13450                                   | 76                        | 16.65                           | \$808.04       |
| [Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz  | 15547                                   | 59                        | 18.78                           | \$827.98       |
| [Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz  | 19377                                   | 44                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz  | 14900                                   | 64                        | 15.80                           | \$942.98       |
| [Dual CPU] Intel Xeon E5-2630 @ 2.30GHz     | 13846                                   | 71                        | 9.90                            | \$1,397.98     |
| [Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz  | 16197                                   | 57                        | 13.28                           | \$1,219.98     |
| [Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz  | 18680                                   | 49                        | 14.94                           | \$1,250.00     |
| [Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz  | 20319                                   | 39                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2630L @ 2.00GHz    | 11087                                   | 95                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz | 13636                                   | 73                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz  | 16064                                   | 58                        | 7.52                            | \$2,136.48*    |
| [Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz  | 16854                                   | 56                        | 8.04                            | \$2,095.12     |
| [Dual CPU] Intel Xeon E5-2640 @ 2.50GHz     | 14902                                   | 63                        | 12.89                           | \$1,156.22     |
| [Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz  | 14773                                   | 65                        | 8.30                            | \$1,779.98     |
| [Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz  | 20893                                   | 35                        | 10.73                           | \$1,947.28     |
| CPU Name                                    | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| [Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz  | 22411                                   | 27                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2643 @ 3.30GHz     | 13492                                   | 75                        | 11.08                           | \$1,217.18     |
| [Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz  | 21394                                   | 33                        | 5.91                            | \$3,617.90     |
| [Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz  | 20091                                   | 40                        | 5.45                            | \$3,686.00     |
| [Dual CPU] Intel Xeon E5-2648L @ 1.80GHz    | 12233                                   | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2650 @ 2.00GHz     | 15331                                   | 62                        | 17.95                           | \$854.00       |
| [Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz  | 19304                                   | 45                        | 8.40                            | \$2,297.70     |
| [Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz  | 20671                                   | 36                        | 9.44                            | \$2,190.74     |
| [Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz  | 22220                                   | 29                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2650L @ 1.80GHz    | 14385                                   | 67                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz  | 18065                                   | 51                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2660 @ 2.20GHz     | 17325                                   | 53                        | 49.89                           | \$347.24       |
| [Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz  | 19445                                   | 43                        | 6.94                            | \$2,799.98     |
| [Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz  | 23613                                   | 19                        | 7.92                            | \$2,980.00     |
| [Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz  | 23581                                   | 20                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2665 @ 2.40GHz     | 17738                                   | 52                        | 8.17                            | \$2,171.76*    |
| [Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz  | 24897                                   | 11                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2667 @ 2.90GHz     | 16924                                   | 54                        | 4.60                            | \$3,675.56*    |
| [Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz  | 23295                                   | 23                        | 4.86                            | \$4,798.00     |
| [Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz  | 22935                                   | 25                        | 5.43                            | \$4,220.00*    |
| [Dual CPU] Intel Xeon E5-2670 @ 2.60GHz     | 18708                                   | 48                        | 26.18                           | \$714.50       |
| [Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz  | 22210                                   | 30                        | 7.12                            | \$3,119.98     |
| [Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz  | 22953                                   | 24                        | 7.17                            | \$3,200.00     |
| [Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz  | 23446                                   | 21                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz  | 22021                                   | 31                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz  | 23842                                   | 18                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2680 @ 2.70GHz     | 18756                                   | 47                        | 16.34                           | \$1,148.00     |

| CPU Name                                    | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz  | 23381                                   | 22                        | 6.62                            | \$3,534.32     |
| [Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz  | 25811                                   | 9                         | 7.68                            | \$3,360.00     |
| [Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz  | 22377                                   | 28                        | 5.24                            | \$4,273.98*    |
| [Dual CPU] Intel Xeon E5-2687W @ 3.10GHz    | 21296                                   | 34                        | 5.41                            | \$3,933.40     |
| [Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz | 24501                                   | 15                        | 5.83                            | \$4,199.98     |
| [Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz | 24747                                   | 12                        | 5.68                            | \$4,359.98     |
| [Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz | 28755                                   | 5                         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2689 @ 2.60GHz     | 20362                                   | 38                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2690 @ 2.90GHz     | 20626                                   | 37                        | 6.95                            | \$2,968.30     |
| [Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz  | 24396                                   | 16                        | 5.91                            | \$4,129.98     |
| [Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz  | 27519                                   | 6                         | 6.43                            | \$4,280.00     |
| [Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz  | 21980                                   | 32                        | 4.49                            | \$4,896.98*    |
| [Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz  | 27267                                   | 8                         | 5.90                            | \$4,620.00     |
| [Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz  | 24548                                   | 13                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz  | 29548                                   | 3                         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz  | 30752                                   | 1                         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz  | 24007                                   | 17                        | 4.78                            | \$5,019.98     |
| [Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz  | 28858                                   | 4                         | 5.27                            | \$5,480.00     |
| [Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz  | 30217                                   | 2                         | 4.14                            | \$7,291.04*    |
| [Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz  | 25233                                   | 10                        | 3.32                            | \$7,600.00     |
| [Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz  | 19491                                   | 42                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz  | 19209                                   | 46                        | NA                              | NA             |
| CPU Name                                    | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| [Dual CPU] Intel Xeon E5-4650 @ 2.70GHz     | 19753                                   | 41                        | 2.53                            | \$7,799.98*    |
| [Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz  | 27457                                   | 7                         | NA                              | NA             |
| [Dual CPU] Intel Xeon E7-2850 @ 2.00GHz     | 12145                                   | 84                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz  | 22412                                   | 26                        | NA                              | NA             |
| [Dual CPU] Intel Xeon E7-4870 @ 2.40GHz     | 17541                                   | Insufficient data         | 2.83                            | \$6,199.98     |
| [Dual CPU] Intel Xeon E5205 @ 1.86GHz       | 2279                                    | Insufficient data         | 114.06                          | \$19.98        |
| [Dual CPU] Intel Xeon E5310 @ 1.60GHz       | 3667                                    | 207                       | 11.60                           | \$316.00*      |
| [Dual CPU] Intel Xeon E5320 @ 1.86GHz       | 4292                                    | 200                       | 65.03                           | \$66.00*       |
| [Dual CPU] Intel Xeon E5330 @ 2.13GHz       | 4944                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon E5335 @ 2.00GHz       | 4614                                    | 196                       | 39.78                           | \$116.00*      |
| [Dual CPU] Intel Xeon E5345 @ 2.33GHz       | 5197                                    | 189                       | 32.84                           | \$158.24*      |
| [Dual CPU] Intel Xeon E5405 @ 2.00GHz       | 5312                                    | 187                       | 12.07                           | \$440.00       |
| [Dual CPU] Intel Xeon E5410 @ 2.33GHz       | 6124                                    | 172                       | 13.92                           | \$440.00       |
| [Dual CPU] Intel Xeon E5420 @ 2.50GHz       | 6503                                    | 164                       | 87.90                           | \$73.98        |
| [Dual CPU] Intel Xeon E5430 @ 2.66GHz       | 6976                                    | 159                       | 58.13                           | \$120.00*      |
| [Dual CPU] Intel Xeon E5440 @ 2.83GHz       | 7354                                    | 153                       | 91.95                           | \$79.98        |
| [Dual CPU] Intel Xeon E5450 @ 3.00GHz       | 7805                                    | 143                       | 23.78                           | \$328.26*      |
| [Dual CPU] Intel Xeon E5462 @ 2.80GHz       | 7371                                    | 151                       | 17.64                           | \$417.90*      |
| [Dual CPU] Intel Xeon E5472 @ 3.00GHz       | 7860                                    | 142                       | 3.58                            | \$2,197.90*    |
| [Dual CPU] Intel Xeon E5503 @ 2.00GHz       | 2801                                    | 219                       | 4.67                            | \$599.98*      |
| [Dual CPU] Intel Xeon E5504 @ 2.00GHz       | 4955                                    | 192                       | 77.42                           | \$64.00*       |
| [Dual CPU] Intel Xeon E5506 @ 2.13GHz       | 5103                                    | 190                       | 87.98                           | \$58.00*       |
| [Dual CPU] Intel Xeon E5507 @ 2.27GHz       | 5600                                    | 182                       | 56.01                           | \$99.98*       |
| [Dual CPU] Intel Xeon E5520 @ 2.27GHz       | 7521                                    | 147                       | 38.77                           | \$194.00       |
| [Dual CPU] Intel Xeon E5530 @ 2.40GHz       | 7764                                    | 144                       | 25.21                           | \$307.92*      |
| [Dual CPU] Intel Xeon E5540 @ 2.53GHz       | 8116                                    | 135                       | 168.73                          | \$48.10*       |
| [Dual CPU] Intel Xeon E5603 @ 1.60GHz       | 4238                                    | 203                       | 9.55                            | \$443.98*      |
| [Dual CPU] Intel Xeon E5606 @ 2.13GHz       | 5590                                    | 183                       | 26.88                           | \$207.98       |
| [Dual CPU] Intel Xeon E5607 @ 2.27GHz       | 6004                                    | 173                       | 15.54                           | \$386.36*      |
| [Dual CPU] Intel Xeon E5620 @ 2.40GHz       | 8292                                    | 132                       | 197.43                          | \$42.00        |
| [Dual CPU] Intel Xeon E5630 @ 2.53GHz       | 8498                                    | 128                       | 74.22                           | \$114.50*      |
| [Dual CPU] Intel Xeon E5640 @ 2.67GHz       | 8962                                    | 118                       | 36.12                           | \$248.14       |
| [Dual CPU] Intel Xeon E5645 @ 2.40GHz       | 10539                                   | 100                       | 59.88                           | \$176.00       |
| [Dual CPU] Intel Xeon E5649 @ 2.53GHz       | 10840                                   | 96                        | 36.84                           | \$294.28       |
| [Dual CPU] Intel Xeon E7340 @ 2.40GHz       | 5444                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon L5240 @ 3.00GHz       | 4469                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon L5320 @ 1.86GHz       | 4286                                    | 202                       | 16.35                           | \$262.12*      |
| [Dual CPU] Intel Xeon L5335 @ 2.00GHz       | 4891                                    | 194                       | NA                              | NA             |
| [Dual CPU] Intel Xeon L5408 @ 2.13GHz       | 5624                                    | 180                       | NA                              | NA             |
| [Dual CPU] Intel Xeon L5410 @ 2.33GHz       | 6198                                    | 170                       | 26.94                           | \$230.06*      |
| [Dual CPU] Intel Xeon L5420 @ 2.50GHz       | 6610                                    | 162                       | 63.56                           | \$104.00*      |

| CPU Name                                 | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [Dual CPU] Intel Xeon L5430 @ 2.66GHz    | 6732                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon L5518 @ 2.13GHz    | 6989                                    | 158                       | NA                              | NA             |
| [Dual CPU] Intel Xeon L5520 @ 2.27GHz    | 7009                                    | 157                       | 40.19                           | \$174.40*      |
| [Dual CPU] Intel Xeon L5530 @ 2.40GHz    | 7939                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon L5630 @ 2.13GHz    | 7194                                    | 154                       | 7.97                            | \$902.10*      |
| [Dual CPU] Intel Xeon L5638 @ 2.00GHz    | 8671                                    | 126                       | NA                              | NA             |
| [Dual CPU] Intel Xeon L5639 @ 2.13GHz    | 9625                                    | 110                       | NA                              | NA             |
| [Dual CPU] Intel Xeon L5640 @ 2.27GHz    | 10110                                   | 105                       | 53.22                           | \$189.98       |
| CPU Name                                 | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| [Dual CPU] Intel Xeon MP 2.50GHz         | 550                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon MP 2.70GHz         | 539                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon MP 3.00GHz         | 652                                     | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon W5580 @ 3.20GHz    | 10201                                   | 104                       | 3.07                            | \$3,319.98*    |
| [Dual CPU] Intel Xeon W5590 @ 3.33GHz    | 10629                                   | 99                        | 3.02                            | \$3,518.80*    |
| [Dual CPU] Intel Xeon W5647 @ 2.93GHz    | 10279                                   | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon X5260 @ 3.33GHz    | 4826                                    | 195                       | 17.24                           | \$279.98       |
| [Dual CPU] Intel Xeon X5272 @ 3.40GHz    | 4894                                    | 193                       | 5.69                            | \$859.90*      |
| [Dual CPU] Intel Xeon X5355 @ 2.66GHz    | 5927                                    | 176                       | 21.10                           | \$280.84*      |
| [Dual CPU] Intel Xeon X5365 @ 3.00GHz    | 6375                                    | 166                       | 11.52                           | \$553.28       |
| [Dual CPU] Intel Xeon X5450 @ 3.00GHz    | 7651                                    | 145                       | 24.92                           | \$307.00*      |
| [Dual CPU] Intel Xeon X5460 @ 3.16GHz    | 8083                                    | 138                       | 62.18                           | \$130.00       |
| [Dual CPU] Intel Xeon X5470 @ 3.33GHz    | 8363                                    | 129                       | NA                              | NA             |
| [Dual CPU] Intel Xeon X5472 @ 3.00GHz    | 7889                                    | 139                       | 4.67                            | \$1,689.00*    |
| [Dual CPU] Intel Xeon X5482 @ 3.20GHz    | 8534                                    | 127                       | 44.92                           | \$189.98       |
| [Dual CPU] Intel Xeon X5492 @ 3.40GHz    | 8892                                    | 121                       | 3.20                            | \$2,782.58*    |
| [Dual CPU] Intel Xeon X5550 @ 2.67GHz    | 9133                                    | 117                       | 57.09                           | \$159.98       |
| [Dual CPU] Intel Xeon X5560 @ 2.80GHz    | 9249                                    | 115                       | 118.58                          | \$78.00        |
| [Dual CPU] Intel Xeon X5570 @ 2.93GHz    | 9595                                    | 111                       | 114.23                          | \$84.00        |
| [Dual CPU] Intel Xeon X5647 @ 2.93GHz    | 9939                                    | 107                       | 4.12                            | \$2,415.00*    |
| [Dual CPU] Intel Xeon X5650 @ 2.67GHz    | 11754                                   | 91                        | 54.07                           | \$217.40       |
| [Dual CPU] Intel Xeon X5660 @ 2.80GHz    | 11909                                   | 87                        | 59.55                           | \$200.00       |
| [Dual CPU] Intel Xeon X5667 @ 3.07GHz    | 8817                                    | 122                       | 67.82                           | \$130.00       |
| [Dual CPU] Intel Xeon X5670 @ 2.93GHz    | 12725                                   | 79                        | 49.04                           | \$259.50       |
| [Dual CPU] Intel Xeon X5672 @ 3.20GHz    | 9278                                    | 114                       | 28.98                           | \$320.10*      |
| [Dual CPU] Intel Xeon X5675 @ 3.07GHz    | 12956                                   | 77                        | 35.21                           | \$368.00       |
| [Dual CPU] Intel Xeon X5677 @ 3.47GHz    | 11699                                   | 92                        | 45.71                           | \$255.96*      |
| [Dual CPU] Intel Xeon X5679 @ 3.20GHz    | 13618                                   | 74                        | NA                              | NA             |
| [Dual CPU] Intel Xeon X5680 @ 3.33GHz    | 13976                                   | 70                        | 24.52                           | \$570.00       |
| [Dual CPU] Intel Xeon X5687 @ 3.60GHz    | 12330                                   | 83                        | 9.34                            | \$1,319.90     |
| [Dual CPU] Intel Xeon X5690 @ 3.47GHz    | 14313                                   | 68                        | 13.65                           | \$1,048.72     |
| [Dual CPU] Intel Xeon X5698 @ 4.40GHz    | 8974                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Intel Xeon X7350 @ 2.93GHz    | 6640                                    | 161                       | 83.02                           | \$79.98        |
| [Dual CPU] Intel Xeon X7460 @ 2.66GHz    | 8721                                    | 124                       | NA                              | NA             |
| [Dual CPU] Intel Xeon X7550 @ 2.00GHz    | 9937                                    | 108                       | 17.75                           | \$559.98       |
| [Dual CPU] Intel Xeon X7560 @ 2.27GHz    | 11631                                   | Insufficient data         | 26.44                           | \$439.98       |
| [Dual CPU] Quad-Core AMD Opteron 2352    | 4378                                    | Insufficient data         | 81.74                           | \$53.56        |
| [Dual CPU] Quad-Core AMD Opteron 2358 SE | 5042                                    | 191                       | 11.46                           | \$440.00*      |
| [Dual CPU] Quad-Core AMD Opteron 8350    | 4290                                    | 201                       | 8.90                            | \$482.00*      |
| [Dual CPU] Quad-Core AMD Opteron 8356    | 4299                                    | Insufficient data         | 10.09                           | \$426.00*      |
| [Dual CPU] Quad-Core AMD Opteron 8378    | 5382                                    | 185                       | 30.51                           | \$176.42*      |
| [Dual CPU] Quad-Core AMD Opteron 8393 SE | 7051                                    | 156                       | NA                              | NA             |
| [Dual CPU] Six-Core AMD Opteron 2419 EE  | 5654                                    | Insufficient data         | NA                              | NA             |
| [Dual CPU] Six-Core AMD Opteron 2423 HE  | 5971                                    | 175                       | NA                              | NA             |
| [Quad CPU] AMD Opteron 6128 HE           | 8323                                    | Insufficient data         | NA                              | NA             |
| [Quad CPU] AMD Opteron 6136              | 9767                                    | Insufficient data         | 4.16                            | \$2,347.64     |
| [Quad CPU] AMD Opteron 6272              | 12587                                   | 80                        | 9.68                            | \$1,300.00     |
| [Quad CPU] AMD Opteron 6274              | 11383                                   | Insufficient data         | 3.25                            | \$3,499.80     |
| [Quad CPU] AMD Opteron 6276              | 15342                                   | 61                        | 39.01                           | \$393.24       |
| CPU Name                                 | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| [Quad CPU] AMD Opteron 6278              | 12055                                   | 85                        | 4.15                            | \$2,906.52*    |
| [Quad CPU] AMD Opteron 6376              | 14681                                   | 66                        | 5.24                            | \$2,799.96     |
| [Quad CPU] AMD Opteron 8360 SE           | 7915                                    | Insufficient data         | 94.23                           | \$84.00        |

| CPU Name                                   | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------------------|-----------------------------------------|---------------------------|---------------------------------|----------------|
| [Quad CPU] AMD Opteron 8382                | 8553                                    | Insufficient data         | 68.98                           | \$124.00       |
| [Quad CPU] AMD Opteron 8425 HE             | 7359                                    | 152                       | NA                              | NA             |
| [Quad CPU] AMD Opteron 8431                | 8252                                    | 133                       | NA                              | NA             |
| [Quad CPU] AMD Opteron 8435                | 7099                                    | 155                       | 13.15                           | \$540.00*      |
| [Quad CPU] AMD Opteron 8439 SE             | 8943                                    | 120                       | NA                              | NA             |
| [Quad CPU] Intel Xeon 3.00GHz              | 1472                                    | Insufficient data         | NA                              | NA             |
| [Quad CPU] Intel Xeon E5-4617 @ 2.90GHz    | 16874                                   | 55                        | NA                              | NA             |
| [Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz | 24511                                   | 14                        | NA                              | NA             |
| [Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz | 16028                                   | Insufficient data         | NA                              | NA             |
| [Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz   | 17269                                   | Insufficient data         | 2.31                            | \$7,479.96     |
| [Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz   | 11752                                   | Insufficient data         | 2.72                            | \$4,319.96     |
| [Quad CPU] Intel Xeon E7330 @ 2.40GHz      | 8353                                    | Insufficient data         | 41.81                           | \$199.80*      |
| [Quad CPU] Intel Xeon E7440 @ 2.40GHz      | 10195                                   | Insufficient data         | NA                              | NA             |
| [Quad CPU] Intel Xeon E7450 @ 2.40GHz      | 9487                                    | 112                       | NA                              | NA             |
| [Quad CPU] Intel Xeon L7455 @ 2.13GHz      | 9741                                    | Insufficient data         | NA                              | NA             |
| [Quad CPU] Intel Xeon X7350 @ 2.93GHz      | 9238                                    | 116                       | 57.75                           | \$159.96       |
| [Quad CPU] Intel Xeon X7460 @ 2.66GHz      | 12860                                   | 78                        | NA                              | NA             |
| [Quad CPU] Intel Xeon X7550 @ 2.00GHz      | 11498                                   | Insufficient data         | 10.27                           | \$1,119.96     |
| [Quad CPU] Intel Xeon X7560 @ 2.27GHz      | 15414                                   | 60                        | 17.52                           | \$879.96       |
| [Quad CPU] Quad-Core AMD Opteron 8356      | 7170                                    | Insufficient data         | 8.42                            | \$852.00*      |

\* - Last price seen from our affiliates.



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