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CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

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.

 Find CPU

Single CPU Systems

CPUS

High End

[High Mid Range](#)[Low Mid Range](#)[Low End](#)

Best Value (On Market)

[Best Value XY Scatter](#)[Best Value \(All time\)](#)

New Desktop

[New Laptop](#)

Single Thread


[Systems with Multiple CPUs](#)[Overclocked](#)

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2852	NA	NA
AMD A4 Micro-6400T APU	1544	2041	NA	NA
AMD A4 PRO-3340B	2402	1642	NA	NA
AMD A4 PRO-7300B APU	2353	1665	NA	NA
AMD A4 PRO-7350B	2227	1716	NA	NA
AMD A4-1200 APU	632	2532	NA	NA
AMD A4-1250 APU	622	2539	NA	NA
AMD A4-3300 APU	1502	2065	115.70	\$12.99
AMD A4-3300M APU	1185	2232	39.54	\$29.99*
AMD A4-3305M APU	1228	2208	39.87	\$30.81
AMD A4-3310MX APU	1286	2171	NA	NA
AMD A4-3320M APU	1253	2194	34.93	\$35.90

Power Performance CPU Mark by Socket Type					
	AMD A4-3330MX APU	1218	2213	NA	NA
	AMD A4-3400 APU	1593	2025	10.63	\$149.95
	AMD A4-3420 APU	1664	1986	NA	NA
	AMD A4-4000 APU	1831	1898	14.28	\$128.27*
	AMD A4-4020 APU	1909	1856	23.00	\$83.00
	AMD A4-4300M APU	1614	2012	40.52	\$39.86
	AMD A4-4355M APU	1177	2235	NA	NA
	AMD A4-5000 APU	1920	1848	NA	NA
	AMD A4-5050 APU	2124	1756	NA	NA
	AMD A4-5100 APU	2060	1784	NA	NA
	AMD A4-5150M APU	1864	1879	NA	NA
	AMD A4-5300 APU	2021	1800	18.32	\$110.32
	AMD A4-5300B APU	2149	1744	56.56	\$38.00*
	AMD A4-6210 APU	2172	1734	NA	NA
	AMD A4-6250J APU	2537	1595	NA	NA
	AMD A4-6300 APU	2227	1715	48.90	\$45.55*
	AMD A4-6300B APU	2159	1743	21.59	\$100.00*
	AMD A4-6320 APU	2329	1666	33.29	\$69.99*
	AMD A4-7210 APU	2530	1597	NA	NA
	AMD A4-7300 APU	2313	1675	20.65	\$112.00
	AMD A4-9120	1954	1833	NA	NA
	AMD A4-9120C	1539	2044	NA	NA
	AMD A4-9125	1966	1826	NA	NA
	AMD A6 Micro-6500T APU	1834	1893	NA	NA
	AMD A6 PRO-7050B APU	1616	2011	NA	NA
	AMD A6 PRO-7400B	2621	1561	NA	NA
	AMD A6-1450 APU	1539	2045	NA	NA
	AMD A6-3400M APU	1886	1870	62.95	\$29.97*
	AMD A6-3410MX APU	2058	1786	515.98	\$3.99*
	AMD A6-3420M APU	2004	1808	NA	NA
	AMD A6-3430MX APU	2200	1728	NA	NA
	AMD A6-3500 APU	2030	1796	50.77	\$39.99*

 CPU Mega List
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 Compare ⁰

 Common
Most Benchmarked

 AMD vs Intel Market Share

AMD A6-3600 APU	2707	1538	117.76	\$22.99*
AMD A6-3620 APU	2792	1507	46.55	\$59.99*
AMD A6-3650 APU	3140	1390	98.17	\$31.99*
AMD A6-3670 APU	3164	1379	5.19	\$610.00*
AMD A6-4400M APU	1645	1997	205.88	\$7.99*
AMD A6-4455M APU	1284	2175	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6-5200 APU	2437	1632	NA	NA
AMD A6-5345M APU	1476	2077	NA	NA
AMD A6-5350M APU	1909	1857	44.28	\$43.12
AMD A6-5357M APU	1953	1834	NA	NA
AMD A6-5400B APU	2237	1711	21.30	\$105.04*
AMD A6-5400K APU	2162	1739	34.87	\$62.02
AMD A6-6310 APU	2470	1621	NA	NA
AMD A6-6400B APU	2281	1689	NA	NA
AMD A6-6400K APU	2316	1672	32.63	\$70.97*
AMD A6-6420B APU	2612	1563	NA	NA
AMD A6-6420K APU	2388	1651	15.92	\$149.99*
AMD A6-7000	1667	1981	NA	NA
AMD A6-7310 APU	2676	1544	NA	NA
AMD A6-7400K APU	2783	1511	23.30	\$119.46
AMD A6-7470K	2727	1531	12.51	\$218.00
AMD A6-7480	3116	1399	70.86	\$43.99*
AMD A6-8500P	2202	1727	NA	NA
AMD A6-8550	3032	1423	NA	NA
AMD A6-9200	1747	1933	NA	NA
AMD A6-9210	1764	1924	NA	NA
AMD A6-9220	2163	1738	NA	NA
AMD A6-9220C	1962	1827	NA	NA
AMD A6-9220e	1609	2015	NA	NA
AMD A6-9225	2111	1759	NA	NA

AMD A6-9230	2102	1764	NA	NA
AMD A6-9500	3030	1424	55.69	\$54.42
AMD A6-9500E	2889	1480	39.85	\$72.50*
AMD A8 PRO-7150B APU	2655	1550	NA	NA
AMD A8 PRO-7600B APU	4744	1014	NA	NA
AMD A8-3500M APU	1984	1815	28.37	\$69.95
AMD A8-3510MX APU	2410	1640	NA	NA
AMD A8-3520M APU	2169	1735	NA	NA
AMD A8-3530MX APU	2354	1663	NA	NA
AMD A8-3550MX APU	2610	1564	NA	NA
AMD A8-3800 APU	3006	1431	52.75	\$56.99*
AMD A8-3820 APU	3102	1401	24.82	\$124.99*
AMD A8-3850 APU	3458	1295	32.73	\$105.68*
AMD A8-3870K APU	3536	1272	23.63	\$149.67*
AMD A8-4500M APU	2666	1548	NA	NA
AMD A8-4555M APU	2123	1757	NA	NA
AMD A8-5500 APU	4000	1159	70.81	\$56.50*
AMD A8-5500B APU	4058	1150	NA	NA
AMD A8-5545M APU	2585	1573	NA	NA
AMD A8-5550M APU	3000	1433	NA	NA
AMD A8-5557M APU	2956	1449	NA	NA
AMD A8-5600K APU	4341	1095	18.93	\$229.30
AMD A8-6410 APU	2577	1577	NA	NA
AMD A8-6500 APU	4398	1085	46.31	\$94.99*
AMD A8-6500B APU	4616	1034	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-6500T APU	3276	1342	NA	NA
AMD A8-6600K APU	4592	1042	47.35	\$96.99*
AMD A8-7050	1824	1900	NA	NA
AMD A8-7100 APU	2798	1504	NA	NA
AMD A8-7200P	3338	1329	NA	NA

<u>AMD A8-7410 APU</u>	2750	1524	NA	NA
<u>AMD A8-7600 APU</u>	5058	946	<u>34.43</u>	<u>\$146.94*</u>
<u>AMD A8-7650K</u>	4936	974	<u>21.46</u>	<u>\$230.00*</u>
<u>AMD A8-7670K</u>	5089	939	<u>31.59</u>	<u>\$161.10*</u>
<u>AMD A8-7680</u>	5360	901	<u>89.36</u>	<u>\$59.99*</u>
<u>AMD A8-8600P</u>	3248	1349	NA	NA
<u>AMD A8-8650</u>	5465	882	NA	NA
<u>AMD A8-9600</u>	4966	969	<u>71.07</u>	<u>\$69.89</u>
<u>AMD A9-9400</u>	2306	1678	NA	NA
<u>AMD A9-9410</u>	2543	1593	NA	NA
<u>AMD A9-9420</u>	2329	1667	NA	NA
<u>AMD A9-9420e</u>	1787	1914	NA	NA
<u>AMD A9-9425</u>	2440	1631	NA	NA
<u>AMD A9-9430</u>	2547	1590	NA	NA
<u>AMD A10 Micro-6700T APU</u>	1970	1821	NA	NA
<u>AMD A10 PRO-7350B APU</u>	3152	1386	NA	NA
<u>AMD A10 PRO-7800B APU</u>	4924	977	NA	NA
<u>AMD A10 PRO-7850B APU</u>	5380	897	NA	NA
<u>AMD A10-4600M APU</u>	3116	1400	<u>28.35</u>	<u>\$109.95*</u>
<u>AMD A10-4655M APU</u>	2605	1566	NA	NA
<u>AMD A10-4657M APU</u>	2906	1468	NA	NA
<u>AMD A10-5700 APU</u>	4214	1121	<u>65.35</u>	<u>\$64.50*</u>
<u>AMD A10-5745M APU</u>	2764	1519	NA	NA
<u>AMD A10-5750M APU</u>	3343	1325	NA	NA
<u>AMD A10-5757M APU</u>	3084	1408	NA	NA
<u>AMD A10-5800B APU</u>	4614	1035	NA	NA
<u>AMD A10-5800K APU</u>	4648	1024	<u>30.99</u>	<u>\$149.99*</u>
<u>AMD A10-6700 APU</u>	4605	1038	<u>39.37</u>	<u>\$116.99*</u>
<u>AMD A10-6700T APU</u>	3711	1234	<u>25.15</u>	<u>\$147.61*</u>
<u>AMD A10-6790K APU</u>	4718	1015	<u>49.68</u>	<u>\$94.99*</u>
<u>AMD A10-6800B APU</u>	4822	997	NA	NA
<u>AMD A10-6800K APU</u>	4862	990	<u>55.40</u>	<u>\$87.76*</u>

AMD A10-7300 APU	2901	1474	NA	NA
AMD A10-7400P	3606	1254	NA	NA
AMD A10-7700K APU	5118	936	40.79	\$125.47*
AMD A10-7800 APU	4972	968	48.09	\$103.39*
AMD A10-7850K APU	5467	881	32.67	\$167.33*
AMD A10-7860K	5037	953	28.79	\$175.00*
AMD A10-7870K	5478	879	24.13	\$226.99*
AMD A10-7890K	5706	844	28.53	\$199.99*
AMD A10-8700P	3437	1299	NA	NA
AMD A10-8750	5054	948	NA	NA
AMD A10-8850	5604	858	NA	NA
AMD A10-9600P	3764	1214	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-9620P	3677	1239	NA	NA
AMD A10-9630P	4474	1067	NA	NA
AMD A10-9700	5381	896	64.27	\$83.73
AMD A10-9700E	4747	1012	32.76	\$144.91*
AMD A12-9700P	3719	1229	NA	NA
AMD A12-9720P	3989	1161	NA	NA
AMD A12-9730P	4417	1081	NA	NA
AMD A12-9800	5587	860	37.69	\$148.24*
AMD A12-9800E	5031	955	35.09	\$143.37*
AMD Athlon64 X2 Dual Core 4600+	1108	2277	NA	NA
AMD Athlon 4	279	2872	3.50	\$79.99
AMD Athlon 64 2000+	177	2977	NA	NA
AMD Athlon 64 2200+	575	2564	NA	NA
AMD Athlon 64 2600+	374	2746	NA	NA
AMD Athlon 64 2800+	438	2674	4.38	\$99.99*
AMD Athlon 64 3000+	464	2644	7.73	\$60.00
AMD Athlon 64 3200+	494	2614	3.30	\$149.95*
AMD Athlon 64 3300+	576	2563	NA	NA

<u>AMD Athlon 64 3400+</u>	545	2574	NA	NA
<u>AMD Athlon 64 3500+</u>	541	2580	<u>4.97</u>	<u>\$108.95*</u>
<u>AMD Athlon 64 3600+</u>	601	2548	NA	NA
<u>AMD Athlon 64 3700+</u>	598	2549	<u>8.67</u>	<u>\$69.00*</u>
<u>AMD Athlon 64 3800+</u>	589	2553	<u>3.28</u>	<u>\$179.95*</u>
<u>AMD Athlon 64 4000+</u>	608	2543	<u>3.32</u>	<u>\$183.27*</u>
<u>AMD Athlon 64 FX-25</u>	794	2460	NA	NA
<u>AMD Athlon 64 FX-34</u>	380	2739	NA	NA
<u>AMD Athlon 64 FX-51</u>	437	2676	NA	NA
<u>AMD Athlon 64 FX-53</u>	646	2524	<u>21.57</u>	<u>\$29.99*</u>
<u>AMD Athlon 64 FX-55</u>	721	2489	<u>4.01</u>	<u>\$179.95*</u>
<u>AMD Athlon 64 FX-57</u>	740	2483	NA	NA
<u>AMD Athlon 64 FX-59</u>	715	2492	NA	NA
<u>AMD Athlon 64 FX-60 Dual Core</u>	1282	2176	NA	NA
<u>AMD Athlon 64 FX-62 Dual Core</u>	1573	2030	NA	NA
<u>AMD Athlon 64 FX-72</u>	1794	1911	NA	NA
<u>AMD Athlon 64 FX-74</u>	1495	2070	<u>2.99</u>	<u>\$499.50*</u>
<u>AMD Athlon 64 X2 3800+</u>	958	2372	NA	NA
<u>AMD Athlon 64 X2 4200+</u>	1285	2172	<u>4.16</u>	<u>\$308.95*</u>
<u>AMD Athlon 64 X2 Dual Core 3400+</u>	994	2345	NA	NA
<u>AMD Athlon 64 X2 Dual Core 3600+</u>	962	2365	<u>16.03</u>	<u>\$60.00</u>
<u>AMD Athlon 64 X2 Dual Core 3800+</u>	1000	2340	NA	NA
<u>AMD Athlon 64 X2 Dual Core 4000+</u>	1045	2310	NA	NA
<u>AMD Athlon 64 X2 Dual Core 4200+</u>	1097	2280	<u>5.35</u>	<u>\$204.95*</u>
<u>AMD Athlon 64 X2 Dual Core 4400+</u>	1145	2259	<u>19.10</u>	<u>\$59.99</u>
<u>AMD Athlon 64 X2 Dual Core 4600+</u>	1219	2212	<u>3.39</u>	<u>\$359.95*</u>
<u>AMD Athlon 64 X2 Dual Core 4800+</u>	1253	2195	<u>2.73</u>	<u>\$459.95*</u>
<u>AMD Athlon 64 X2 Dual Core 5000+</u>	1313	2153	<u>3.96</u>	<u>\$331.49*</u>
<u>AMD Athlon 64 X2 Dual Core 5200+</u>	1382	2116	<u>23.04</u>	<u>\$60.00</u>
<u>AMD Athlon 64 X2 Dual Core 5400+</u>	1451	2087	<u>27.38</u>	<u>\$52.99*</u>
<u>AMD Athlon 64 X2 Dual Core 5600+</u>	1485	2074	<u>8.25</u>	<u>\$179.95</u>
CPU Name	Passmark CPU Mark	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

(higher is better)				
<u>AMD Athlon 64 X2 Dual Core 5800+</u>	1516	2056	<u>60.68</u>	<u>\$24.99*</u>
<u>AMD Athlon 64 X2 Dual Core 6000+</u>	1602	2019	<u>34.88</u>	<u>\$45.95</u>
<u>AMD Athlon 64 X2 Dual Core 6400+</u>	1784	1916	<u>6.87</u>	<u>\$259.95*</u>
<u>AMD Athlon 64 X2 Dual Core BE-230</u>	1095	2283	NA	NA
<u>AMD Athlon 64 X2 Dual Core BE-2300</u>	1082	2294	NA	NA
<u>AMD Athlon 64 X2 Dual Core BE-2350</u>	1044	2311	NA	NA
<u>AMD Athlon 64 X2 Dual Core TK-53</u>	839	2437	<u>28.02</u>	<u>\$29.97*</u>
<u>AMD Athlon 64 X2 Dual Core TK-55</u>	839	2439	<u>14.53</u>	<u>\$57.74*</u>
<u>AMD Athlon 64 X2 Dual Core TK-57</u>	971	2358	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-42</u>	877	2417	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-53</u>	823	2445	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-55</u>	870	2419	<u>11.97</u>	<u>\$72.74*</u>
<u>AMD Athlon 64 X2 Dual-Core TK-57</u>	924	2396	NA	NA
<u>AMD Athlon 64 X2 QL-60</u>	925	2395	NA	NA
<u>AMD Athlon 64 X2 QL-62</u>	1005	2335	NA	NA
<u>AMD Athlon 64 X2 QL-64</u>	990	2349	NA	NA
<u>AMD Athlon 64 X2 QL-65</u>	1050	2309	NA	NA
<u>AMD Athlon 64 X2 QL-66</u>	947	2382	NA	NA
<u>AMD Athlon 64 X2 QL-67</u>	1006	2334	NA	NA
<u>AMD Athlon 64 X2 TK-55</u>	955	2373	NA	NA
<u>AMD Athlon 64 X2 TK-57</u>	988	2350	NA	NA
<u>AMD Athlon 200GE</u>	4957	971	<u>90.13</u>	<u>\$55.00</u>
<u>AMD Athlon 220GE</u>	5230	918	<u>65.95</u>	<u>\$79.31</u>
<u>AMD Athlon 240GE</u>	5453	884	<u>65.86</u>	<u>\$82.80</u>
<u>AMD Athlon 300GE</u>	5517	874	NA	NA
<u>AMD Athlon 300U</u>	4627	1031	NA	NA
<u>AMD Athlon 1500+</u>	294	2844	NA	NA
<u>AMD Athlon 1640B</u>	670	2515	<u>13.42</u>	<u>\$50.00*</u>
<u>AMD Athlon 2000+</u>	390	2735	NA	NA
<u>AMD Athlon 2100+</u>	412	2697	NA	NA
<u>AMD Athlon 2200+</u>	363	2764	<u>4.55</u>	<u>\$79.99*</u>

AMD Athlon 2400+	462	2647	NA	NA
AMD Athlon 2500+	374	2744	4.41	\$84.99
AMD Athlon 2600+	444	2668	4.23	\$104.95*
AMD Athlon 2650e	407	2705	21.47	\$19.00*
AMD Athlon 2800+	447	2663	3.20	\$139.95*
AMD Athlon 2850e	506	2606	NA	NA
AMD Athlon 3000G	5511	875	95.68	\$57.60*
AMD Athlon 3100+	485	2625	NA	NA
AMD Athlon 3200+	458	2651	7.63	\$60.00*
AMD Athlon 5000 Dual-Core	1292	2166	10.78	\$119.95*
AMD Athlon 5150 APU	2108	1762	13.18	\$159.95
AMD Athlon 5200 Dual-Core	1266	2189	42.23	\$29.99*
AMD Athlon 5350 APU	2610	1565	23.73	\$109.99*
AMD Athlon 5370 APU	2915	1464	45.77	\$63.70*
AMD Athlon 7450 Dual-Core	1449	2089	NA	NA
AMD Athlon 7550 Dual-Core	1472	2078	24.54	\$60.00*
AMD Athlon 7750 Dual-Core	1570	2031	10.27	\$152.99*
AMD Athlon 7850 Dual-Core	1710	1954	8.16	\$209.65*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 7850 Dual-Core 2.8G	288	2855	NA	NA
AMD Athlon Dual Core 4050e	1086	2289	NA	NA
AMD Athlon Dual Core 4450B	1168	2244	37.68	\$31.00*
AMD Athlon Dual Core 4450e	1111	2274	NA	NA
AMD Athlon Dual Core 4850B	1391	2111	NA	NA
AMD Athlon Dual Core 4850e	1315	2152	33.74	\$39.00*
AMD Athlon Dual Core 5000B	1308	2156	13.77	\$95.00*
AMD Athlon Dual Core 5050e	1345	2138	22.43	\$60.00*
AMD Athlon Dual Core 5200B	1316	2150	NA	NA
AMD Athlon Dual Core 5400B	1420	2100	NA	NA
AMD Athlon Dual Core 5600B	1304	2159	NA	NA
AMD Athlon II 160u	563	2570	18.78	\$29.99*

AMD Athlon II 170u	627	2535	34.86	\$17.99
AMD Athlon II Dual-Core M300	1112	2273	NA	NA
AMD Athlon II Dual-Core M320	1141	2261	38.05	\$30.00*
AMD Athlon II Dual-Core M340	1056	2306	NA	NA
AMD Athlon II N330 Dual-Core	1154	2253	NA	NA
AMD Athlon II N350 Dual-Core	1249	2200	NA	NA
AMD Athlon II N370 Dual-Core	1559	2036	NA	NA
AMD Athlon II Neo K125	477	2633	NA	NA
AMD Athlon II Neo K145	525	2589	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2465	29.84	\$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2428	NA	NA
AMD Athlon II Neo N36L Dual-Core	795	2459	NA	NA
AMD Athlon II P320 Dual-Core	1216	2214	40.62	\$29.95*
AMD Athlon II P340 Dual-Core	1251	2199	27.83	\$44.95*
AMD Athlon II P360 Dual-Core	1318	2149	54.93	\$24.00*
AMD Athlon II X2 210e	1486	2072	NA	NA
AMD Athlon II X2 215	1566	2034	130.68	\$11.99*
AMD Athlon II X2 220	1634	2004	50.79	\$32.19
AMD Athlon II X2 225	1526	2049	NA	NA
AMD Athlon II X2 235e	1658	1992	9.12	\$181.88*
AMD Athlon II X2 240	1644	1998	47.04	\$34.95
AMD Athlon II X2 240e	1697	1963	48.58	\$34.95*
AMD Athlon II X2 245	1662	1989	47.57	\$34.95*
AMD Athlon II X2 245e	1714	1951	21.43	\$80.00*
AMD Athlon II X2 250	1739	1937	44.65	\$38.95
AMD Athlon II X2 250e	1939	1839	25.28	\$76.73*
AMD Athlon II X2 250u	1004	2336	28.74	\$34.95*
AMD Athlon II X2 255	1842	1890	28.25	\$65.22*
AMD Athlon II X2 260	1878	1872	93.96	\$19.99*
AMD Athlon II X2 260u	1107	2279	13.28	\$83.44*
AMD Athlon II X2 265	1892	1864	22.84	\$82.88*

AMD Athlon II X2 270	1975	1818	82.36	\$23.99*
AMD Athlon II X2 270u	1285	2173	18.99	\$67.67*
AMD Athlon II X2 280	2128	1752	21.29	\$99.99*
AMD Athlon II X2 4300e	1483	2075	NA	NA
AMD Athlon II X2 4400e	1632	2006	NA	NA
AMD Athlon II X2 4450e	1504	2063	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X2 B22	1715	1948	41.16	\$41.69*
AMD Athlon II X2 B24	1783	1918	44.64	\$39.95
AMD Athlon II X2 B26	1903	1858	42.36	\$44.95
AMD Athlon II X2 B28	2085	1771	42.52	\$49.05*
AMD Athlon II X3 400e	2009	1805	18.70	\$107.43*
AMD Athlon II X3 405e	2000	1810	25.00	\$79.99*
AMD Athlon II X3 415e	2224	1719	29.66	\$75.00*
AMD Athlon II X3 420e	2285	1686	19.68	\$116.15*
AMD Athlon II X3 425	2315	1673	85.80	\$26.99*
AMD Athlon II X3 425e	2239	1710	NA	NA
AMD Athlon II X3 435	2471	1619	82.42	\$29.99*
AMD Athlon II X3 440	2567	1582	95.13	\$26.99*
AMD Athlon II X3 445	2573	1580	28.28	\$91.00*
AMD Athlon II X3 450	2621	1562	68.89	\$38.05
AMD Athlon II X3 455	2765	1518	70.92	\$38.99*
AMD Athlon II X3 460	2864	1486	73.46	\$38.99*
AMD Athlon II X4 553	3814	1202	NA	NA
AMD Athlon II X4 555	3830	1197	NA	NA
AMD Athlon II X4 559	4124	1139	NA	NA
AMD Athlon II X4 600e	2465	1622	18.93	\$130.23*
AMD Athlon II X4 605e	2716	1534	26.69	\$101.80*
AMD Athlon II X4 610e	2793	1505	39.92	\$69.99*
AMD Athlon II X4 615e	2899	1476	49.15	\$59.00*
AMD Athlon II X4 620	2928	1461	48.84	\$59.95

AMD Athlon II X4 620e	2906	1469	NA	NA
AMD Athlon II X4 630	3130	1391	49.73	\$62.95
AMD Athlon II X4 631 Quad-Core	3145	1389	39.32	\$80.00*
AMD Athlon II X4 635	3230	1356	46.19	\$69.95
AMD Athlon II X4 638 Quad-Core	3198	1366	120.73	\$26.49*
AMD Athlon II X4 640	3313	1332	41.45	\$79.95
AMD Athlon II X4 641 Quad-Core	3343	1324	36.54	\$91.50*
AMD Athlon II X4 645	3465	1293	43.35	\$79.95
AMD Athlon II X4 650	3482	1289	20.90	\$166.60*
AMD Athlon II X4 651 Quad-Core	3575	1264	20.08	\$178.04*
AMD Athlon II X4 655	2998	1435	NA	NA
AMD Athlon II X4 6400e	2594	1568	NA	NA
AMD Athlon L110	303	2825	NA	NA
AMD Athlon LE-1600	557	2572	26.57	\$21.00*
AMD Athlon LE-1620	578	2561	32.12	\$18.00*
AMD Athlon LE-1640	629	2534	NA	NA
AMD Athlon LE-1660	679	2512	NA	NA
AMD Athlon MP	230	2926	18.46	\$12.49*
AMD Athlon MP 1700+	339	2786	NA	NA
AMD Athlon MP 2400+	436	2677	NA	NA
AMD Athlon MP 2800+	497	2612	NA	NA
AMD Athlon Neo MV-40	410	2700	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2338	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2464	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2441	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon PRO 200GE	5163	929	NA	NA
AMD Athlon PRO 300GE	5554	867	NA	NA
AMD Athlon QI-46	473	2637	NA	NA
AMD Athlon TF-20	413	2696	NA	NA
AMD Athlon TF-36	395	2723	NA	NA

AMD Athlon X2 215	1543	2042	NA	NA
AMD Athlon X2 235e	1806	1905	NA	NA
AMD Athlon X2 240	1611	2014	NA	NA
AMD Athlon X2 240e	1670	1976	NA	NA
AMD Athlon X2 250	1696	1965	NA	NA
AMD Athlon X2 255	1627	2007	NA	NA
AMD Athlon X2 280	2303	1681	68.77	\$33.49*
AMD Athlon X2 340 Dual Core	1932	1843	38.66	\$49.99*
AMD Athlon X2 370K Dual Core	2251	1703	NA	NA
AMD Athlon X2 440	1424	2099	NA	NA
AMD Athlon X2 Dual Core 3250e	778	2463	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2341	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2400	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2276	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2215	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2198	NA	NA
AMD Athlon X2 Dual Core L310	645	2525	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2332	NA	NA
AMD Athlon X3 425	2191	1731	NA	NA
AMD Athlon X3 435	2574	1579	26.96	\$95.49*
AMD Athlon X3 440	2078	1773	23.62	\$87.99*
AMD Athlon X3 445	2314	1674	NA	NA
AMD Athlon X3 455	2401	1643	NA	NA
AMD Athlon X4 605e	2505	1608	NA	NA
AMD Athlon X4 620	2861	1487	47.74	\$59.95
AMD Athlon X4 635	2891	1479	23.71	\$121.99*
AMD Athlon X4 640	3172	1374	NA	NA
AMD Athlon X4 740 Quad Core	4034	1154	14.57	\$277.00*
AMD Athlon X4 750 Quad Core	4400	1084	NA	NA
AMD Athlon X4 750K Quad Core	4275	1108	55.54	\$76.99*
AMD Athlon X4 760K Quad Core	4604	1039	109.69	\$41.98*
AMD Athlon X4 830	4701	1017	NA	NA

AMD Athlon X4 840	5070	943	64.39	\$78.74*
AMD Athlon X4 845	5399	892	101.62	\$53.13*
AMD Athlon X4 860K	5409	888	40.09	\$134.95*
AMD Athlon X4 870K	5325	909	66.57	\$79.99*
AMD Athlon X4 880K	5569	864	55.70	\$99.99*
AMD Athlon X4 950	5235	917	44.59	\$117.43
AMD Athlon XP1600+	281	2868	NA	NA
AMD Athlon XP1900+	353	2773	NA	NA
AMD Athlon XP2100+	287	2857	NA	NA
AMD Athlon XP2200+	401	2715	NA	NA
AMD Athlon XP2400+	374	2745	NA	NA
AMD Athlon XP 1500	282	2867	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP 1500+	257	2897	NA	NA
AMD Athlon XP 1600+	267	2887	NA	NA
AMD Athlon XP 1700	344	2783	NA	NA
AMD Athlon XP 1700+	271	2883	4.43	\$61.25*
AMD Athlon XP 1800+	300	2832	5.10	\$58.95*
AMD Athlon XP 1900+	312	2816	NA	NA
AMD Athlon XP 2000+	300	2833	12.01	\$24.99*
AMD Athlon XP 2100+	323	2800	NA	NA
AMD Athlon XP 2200+	328	2799	3.87	\$84.95*
AMD Athlon XP 2300+	464	2643	NA	NA
AMD Athlon XP 2400+	360	2766	4.01	\$89.99*
AMD Athlon XP 2500+	355	2770	NA	NA
AMD Athlon XP 2600+	372	2750	16.18	\$23.03*
AMD Athlon XP 2700+	393	2726	4.64	\$84.79*
AMD Athlon XP 2800+	400	2717	NA	NA
AMD Athlon XP 2900+	424	2690	NA	NA
AMD Athlon XP 3000+	402	2713	5.06	\$79.70*
AMD Athlon XP 3100+	433	2681	NA	NA

<u>AMD Athlon XP 3200+</u>	432	2682	NA	NA
<u>AMD Athlon XP 3400+</u>	570	2568	NA	NA
<u>AMD Athlon XP Pro3+</u>	367	2757	NA	NA
<u>AMD Athlon XP-M</u>	541	2581	<u>15.48</u>	<u>\$34.95*</u>
<u>AMD C-30</u>	310	2818	NA	NA
<u>AMD C-50</u>	462	2645	NA	NA
<u>AMD C-60</u>	466	2640	NA	NA
<u>AMD C-60 APU</u>	544	2575	NA	NA
<u>AMD C-70 APU</u>	558	2571	NA	NA
<u>AMD E1 Micro-6200T APU</u>	960	2369	NA	NA
<u>AMD E1-1200 APU</u>	654	2522	NA	NA
<u>AMD E1-1500 APU</u>	689	2507	NA	NA
<u>AMD E1-2100 APU</u>	642	2530	NA	NA
<u>AMD E1-2200 APU</u>	767	2467	NA	NA
<u>AMD E1-2500 APU</u>	896	2414	NA	NA
<u>AMD E1-6010 APU</u>	869	2420	NA	NA
<u>AMD E1-6015 APU</u>	900	2410	NA	NA
<u>AMD E1-7010 APU</u>	1017	2329	NA	NA
<u>AMD E2-1800 APU</u>	814	2447	NA	NA
<u>AMD E2-2000 APU</u>	825	2443	NA	NA
<u>AMD E2-3000 APU</u>	1140	2263	NA	NA
<u>AMD E2-3000M APU</u>	1092	2285	<u>54.62</u>	<u>\$20.00*</u>
<u>AMD E2-3200 APU</u>	1381	2117	<u>172.96</u>	<u>\$7.99*</u>
<u>AMD E2-3800 APU</u>	1645	1996	NA	NA
<u>AMD E2-6110 APU</u>	1919	1849	NA	NA
<u>AMD E2-7110 APU</u>	2293	1682	NA	NA
<u>AMD E2-9000</u>	1646	1995	NA	NA
<u>AMD E2-9000e</u>	1315	2151	NA	NA
<u>AMD E2-9010</u>	1636	2002	NA	NA
<u>AMD E2-9030</u>	1515	2057	NA	NA
<u>AMD E-240</u>	319	2806	NA	NA
CPU Name	Passmark CPU Mark	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

(higher is better)				
<u>AMD E-300 APU</u>	609	2542	NA	NA
<u>AMD E-350</u>	745	2481	NA	NA
<u>AMD E-350 APU</u>	759	2474	NA	NA
<u>AMD E-350D APU</u>	726	2487	NA	NA
<u>AMD E-450 APU</u>	765	2468	NA	NA
<u>AMD Embedded G-Series GX-215JJ Radeon R2E</u>	1764	1925	NA	NA
<u>AMD Embedded G-Series GX-224IJ Radeon R4E</u>	2088	1767	NA	NA
<u>AMD Embedded G-Series GX-420GI Radeon R7E</u>	2533	1596	NA	NA
<u>AMD Embedded R-Series RX-216GD</u>	2409	1641	NA	NA
<u>AMD Embedded R-Series RX-418GD Radeon R6</u>	5068	944	NA	NA
<u>AMD Embedded R-Series RX-421BD</u>	4635	1028	NA	NA
<u>AMD EPYC 3201</u>	9634	438	NA	NA
<u>AMD EPYC 3251</u>	11690	303	<u>37.11</u>	<u>\$315.00*</u>
<u>AMD EPYC 7251</u>	11811	299	<u>19.71</u>	<u>\$599.30</u>
<u>AMD EPYC 7262</u>	20691	81	NA	NA
<u>AMD EPYC 7301</u>	14978	195	<u>21.89</u>	<u>\$684.28</u>
<u>AMD EPYC 7302P</u>	30626	15	<u>31.71</u>	<u>\$965.73</u>
<u>AMD EPYC 7351</u>	18081	124	<u>19.37</u>	<u>\$933.51</u>
<u>AMD EPYC 7351P</u>	14887	198	<u>16.69</u>	<u>\$891.98</u>
<u>AMD EPYC 7371</u>	22071	62	<u>14.24</u>	<u>\$1,550.00*</u>
<u>AMD EPYC 7401P</u>	20221	89	<u>20.02</u>	<u>\$1,010.00</u>
<u>AMD EPYC 7402P</u>	28291	22	<u>13.25</u>	<u>\$2,135.71</u>
<u>AMD EPYC 7451</u>	15760	177	<u>12.51</u>	<u>\$1,259.89</u>
<u>AMD EPYC 7452</u>	38257	5	<u>16.34</u>	<u>\$2,340.97</u>
<u>AMD EPYC 7501</u>	18942	110	<u>5.80</u>	<u>\$3,264.58</u>
<u>AMD EPYC 7502P</u>	27437	27	<u>10.44</u>	<u>\$2,628.06</u>
<u>AMD EPYC 7551</u>	18483	116	<u>10.07</u>	<u>\$1,835.94</u>
<u>AMD EPYC 7551P</u>	18443	117	<u>10.05</u>	<u>\$1,835.94</u>
<u>AMD EPYC 7571</u>	20858	80	NA	NA

AMD EPYC 7702P	46067	4	10.41	\$4,425.00*
AMD EPYC 7742	47365	2	6.82	\$6,950.00*
AMD FirePro A320 APU	4540	1054	NA	NA
AMD FX-670K Quad-Core	4550	1050	NA	NA
AMD FX-770K Quad-Core	4819	998	NA	NA
AMD FX-870K Quad Core	5021	958	NA	NA
AMD FX-4100 Quad-Core	4076	1147	26.56	\$153.45*
AMD FX-4130 Quad-Core	4163	1132	54.79	\$75.99*
AMD FX-4150 Quad-Core	4594	1041	NA	NA
AMD FX-4170 Quad-Core	4873	987	48.74	\$99.99*
AMD FX-4200 Quad-Core	4270	1110	18.71	\$228.21*
AMD FX-4300 Quad-Core	4698	1019	29.93	\$156.97
AMD FX-4320	5011	962	NA	NA
AMD FX-4330	5328	907	NA	NA
AMD FX-4350 Quad-Core	5341	903	12.42	\$430.00
AMD FX-6100 Six-Core	5405	889	20.95	\$258.00*
AMD FX-6120 Six-Core	5754	840	NA	NA
AMD FX-6130 Six-Core	6215	784	NA	NA
AMD FX-6200 Six-Core	6108	794	17.97	\$339.95
AMD FX-6300 Six-Core	6409	767	30.52	\$209.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-6330 Six-Core	6954	710	NA	NA
AMD FX-6350 Six-Core	7021	703	58.48	\$120.06*
AMD FX-7500 APU	3204	1362	NA	NA
AMD FX-7600P	4048	1151	NA	NA
AMD FX-7600P APU	4627	1030	NA	NA
AMD FX-8100 Eight-Core	5884	819	41.44	\$142.00*
AMD FX-8120 Eight-Core	6646	745	29.84	\$222.73*
AMD FX-8140 Eight-Core	6133	792	NA	NA
AMD FX-8150 Eight-Core	7656	645	5.30	\$1,443.99
AMD FX-8300 Eight-Core	7776	633	64.81	\$119.99*

<u>AMD FX-8310 Eight-Core</u>	7738	638	NA	NA
<u>AMD FX-8320 Eight-Core</u>	8037	598	<u>58.24</u>	<u>\$138.01*</u>
<u>AMD FX-8320E Eight-Core</u>	7579	654	<u>31.68</u>	<u>\$239.24</u>
<u>AMD FX-8350 Eight-Core</u>	8958	508	<u>21.85</u>	<u>\$409.98</u>
<u>AMD FX-8370 Eight-Core</u>	9048	495	<u>36.20</u>	<u>\$250.00*</u>
<u>AMD FX-8370E Eight-Core</u>	7869	620	<u>24.58</u>	<u>\$320.09</u>
<u>AMD FX-8800P</u>	4196	1124	NA	NA
<u>AMD FX-9370 Eight-Core</u>	9464	450	<u>17.05</u>	<u>\$555.00</u>
<u>AMD FX-9590 Eight-Core</u>	10187	380	<u>22.15</u>	<u>\$459.95</u>
<u>AMD FX-9800P</u>	3959	1168	NA	NA
<u>AMD FX-9830P</u>	4787	1005	NA	NA
<u>AMD FX-B4150 Quad-Core</u>	4611	1036	NA	NA
<u>AMD G-T40E</u>	467	2639	NA	NA
<u>AMD G-T40N</u>	516	2598	NA	NA
<u>AMD G-T40R</u>	203	2952	NA	NA
<u>AMD G-T44R</u>	229	2927	NA	NA
<u>AMD G-T48E</u>	667	2517	NA	NA
<u>AMD G-T52R</u>	308	2820	NA	NA
<u>AMD G-T56E</u>	751	2477	NA	NA
<u>AMD G-T56N</u>	796	2458	NA	NA
<u>AMD Geode NX</u>	264	2890	NA	NA
<u>AMD Geode NX 1750</u>	291	2846	NA	NA
<u>AMD GX-210JA SOC</u>	401	2716	NA	NA
<u>AMD GX-212JC SOC</u>	943	2386	NA	NA
<u>AMD GX-217GA SOC</u>	1113	2272	NA	NA
<u>AMD GX-218GL SOC</u>	1207	2220	NA	NA
<u>AMD GX-222GC SOC</u>	1255	2193	NA	NA
<u>AMD GX-412HC</u>	1497	2067	NA	NA
<u>AMD GX-415GA SOC</u>	1969	1823	NA	NA
<u>AMD GX-420CA SOC</u>	2412	1639	NA	NA
<u>AMD GX-424CC SOC</u>	2497	1611	NA	NA
<u>AMD K7</u>	403	2710	NA	NA

AMD Opteron 140	396	2721	0.62	\$640.00
AMD Opteron 142	428	2686	NA	NA
AMD Opteron 144	486	2621	7.48	\$65.00*
AMD Opteron 146	532	2584	8.87	\$59.99*
AMD Opteron 148	603	2547	NA	NA
AMD Opteron 150	604	2545	NA	NA
AMD Opteron 152	658	2519	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 154	703	2500	NA	NA
AMD Opteron 165	899	2412	1.63	\$550.00
AMD Opteron 170	1097	2281	NA	NA
AMD Opteron 175	1167	2246	NA	NA
AMD Opteron 180	1236	2204	9.51	\$129.95*
AMD Opteron 185	1342	2139	NA	NA
AMD Opteron 246	632	2533	31.62	\$19.99*
AMD Opteron 248	476	2634	4.34	\$109.95
AMD Opteron 250	649	2523	59.01	\$11.00*
AMD Opteron 252	760	2472	12.00	\$63.36*
AMD Opteron 254	693	2504	NA	NA
AMD Opteron 256	963	2363	50.72	\$19.00*
AMD Opteron 265	963	2364	13.20	\$73.00
AMD Opteron 270	1170	2242	1.93	\$607.47*
AMD Opteron 275	1291	2168	15.74	\$82.05*
AMD Opteron 280	1176	2236	18.10	\$65.00*
AMD Opteron 285	1470	2080	18.39	\$79.95
AMD Opteron 290	1464	2082	10.85	\$135.00*
AMD Opteron 1210	923	2397	14.21	\$65.00
AMD Opteron 1210 HE	971	2357	NA	NA
AMD Opteron 1212	1009	2333	3.48	\$290.00*
AMD Opteron 1212 HE	1308	2157	NA	NA
AMD Opteron 1214	1191	2227	4.11	\$290.00*

AMD Opteron 1214 HE	1299	2161	NA	NA
AMD Opteron 1216	1311	2155	23.91	\$54.85*
AMD Opteron 1216 HE	1172	2241	NA	NA
AMD Opteron 1218	1468	2081	NA	NA
AMD Opteron 1218 HE	1444	2090	NA	NA
AMD Opteron 1220	1661	1990	NA	NA
AMD Opteron 1222	1757	1928	NA	NA
AMD Opteron 1352	2316	1671	17.04	\$135.99*
AMD Opteron 1354	2630	1558	19.49	\$135.00*
AMD Opteron 1356	2765	1517	30.73	\$89.99*
AMD Opteron 1381	3065	1416	NA	NA
AMD Opteron 2212	1270	2187	63.53	\$20.00*
AMD Opteron 2214	1358	2132	46.85	\$29.00*
AMD Opteron 2214 HE	1415	2102	NA	NA
AMD Opteron 2216	1518	2055	58.84	\$25.80
AMD Opteron 2218	1594	2024	19.94	\$79.95
AMD Opteron 2220	1701	1961	21.29	\$79.95
AMD Opteron 2220 SE	1398	2108	55.92	\$25.00*
AMD Opteron 2222	1843	1889	1.11	\$1,664.98*
AMD Opteron 2224 SE	1919	1850	NA	NA
AMD Opteron 2350	2820	1498	35.28	\$79.95*
AMD Opteron 2354	2450	1626	7.38	\$332.03*
AMD Opteron 2356	2814	1499	54.12	\$52.00*
AMD Opteron 2373 EE	2789	1509	NA	NA
AMD Opteron 2374 HE	2951	1450	45.40	\$65.00
AMD Opteron 2376	2283	1688	13.69	\$166.81*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 2378	3179	1371	17.76	\$179.00*
AMD Opteron 2380	2640	1556	58.69	\$45.00
AMD Opteron 2384	3538	1270	4.21	\$840.00*
AMD Opteron 2386 SE	3538	1271	NA	NA

AMD Opteron 2393 SE	2246	1704	NA	NA
AMD Opteron 2427	3069	1414	47.22	\$65.00
AMD Opteron 2431	4516	1057	112.91	\$40.00*
AMD Opteron 2435	4708	1016	72.44	\$65.00
AMD Opteron 3250 HE	2942	1454	29.73	\$99.00*
AMD Opteron 3260 HE	3259	1345	NA	NA
AMD Opteron 3280	5533	871	20.26	\$273.18*
AMD Opteron 3320 EE	2675	1545	NA	NA
AMD Opteron 3350 HE	4186	1127	NA	NA
AMD Opteron 3365	6088	802	NA	NA
AMD Opteron 3380	6384	770	7.89	\$809.00*
AMD Opteron 4122	2942	1455	23.55	\$124.99*
AMD Opteron 4162 EE	3166	1377	NA	NA
AMD Opteron 4170 HE	3664	1245	62.11	\$59.00*
AMD Opteron 4184	4418	1080	8.50	\$519.95*
AMD Opteron 4280	6430	764	128.60	\$50.00*
AMD Opteron 4284	6660	743	111.03	\$59.99*
AMD Opteron 4332 HE	5614	856	NA	NA
AMD Opteron 4334	6099	798	28.18	\$216.42*
AMD Opteron 4365 EE	5025	957	NA	NA
AMD Opteron 4386	6761	729	48.30	\$139.99*
AMD Opteron 6128	4505	1060	237.24	\$18.99
AMD Opteron 6134	2938	1456	66.81	\$43.99*
AMD Opteron 6136	4631	1029	42.10	\$110.00*
AMD Opteron 6164 HE	5351	902	NA	NA
AMD Opteron 6172	5261	913	26.57	\$198.00*
AMD Opteron 6174	6171	787	94.94	\$65.00
AMD Opteron 6176 SE	5465	883	34.37	\$159.00*
AMD Opteron 6212	5776	831	192.62	\$29.99*
AMD Opteron 6220	6785	725	113.11	\$59.99*
AMD Opteron 6234	5938	816	198.27	\$29.95*
AMD Opteron 6238	7673	644	21.32	\$359.89*

AMD Opteron 6272	6748	732	96.42	\$69.99
AMD Opteron 6274	4865	989	108.15	\$44.99
AMD Opteron 6276	8889	516	52.60	\$169.00
AMD Opteron 6282 SE	9116	485	14.24	\$640.00
AMD Opteron 6287 SE	9789	420	NA	NA
AMD Opteron 6328	7813	627	21.76	\$359.00
AMD Opteron 6344	9372	459	24.09	\$389.00*
AMD Opteron 6366 HE	7503	657	250.19	\$29.99*
AMD Opteron 6376	9212	478	141.72	\$65.00
AMD Opteron 6378	9094	486	47.87	\$190.00
AMD Opteron 6380	10081	388	170.88	\$59.00
AMD Opteron 6386 SE	10912	332	75.26	\$144.99
AMD Opteron 8354	2255	1701	93.98	\$24.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 8439 SE	3813	1203	63.56	\$60.00*
AMD Opteron X2170 APU	3059	1418	NA	NA
AMD Opteron X3216 APU	2292	1683	NA	NA
AMD Opteron X3418 APU	4548	1052	NA	NA
AMD Opteron X3421 APU	4793	1004	NA	NA
AMD Phenom 2 X4 12000	3005	1432	NA	NA
AMD Phenom 7950 Quad-Core	2991	1437	NA	NA
AMD Phenom 8250 Triple-Core	1668	1980	NA	NA
AMD Phenom 8250e Triple-Core	1635	2003	34.81	\$46.99*
AMD Phenom 8400 Triple-Core	1632	2005	NA	NA
AMD Phenom 8450 Triple-Core	1888	1868	63.07	\$29.95*
AMD Phenom 8450e Triple-Core	2026	1797	NA	NA
AMD Phenom 8600 Triple-Core	1673	1974	31.57	\$52.99*
AMD Phenom 8600B Triple-Core	1919	1851	36.22	\$52.99*
AMD Phenom 8650 Triple-Core	1985	1813	39.71	\$49.99*
AMD Phenom 8750 Triple-Core	2058	1787	NA	NA
AMD Phenom 8750B Triple-Core	2034	1792	NA	NA

AMD Phenom 8850 Triple-Core	1968	1824	NA	NA
AMD Phenom 8850B Triple-Core	2080	1772	NA	NA
AMD Phenom 9100e Quad-Core	1833	1895	45.89	\$39.95*
AMD Phenom 9150e Quad-Core	2112	1758	52.87	\$39.95*
AMD Phenom 9350e Quad-Core	2320	1669	0.69	\$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1567	24.76	\$105.00*
AMD Phenom 9500 Quad-Core	2202	1726	75.97	\$28.99*
AMD Phenom 9550 Quad-Core	2544	1591	87.78	\$28.99*
AMD Phenom 9600 Quad-Core	2303	1680	46.12	\$49.95*
AMD Phenom 9600B Quad-Core	2575	1578	17.50	\$147.19*
AMD Phenom 9650 Quad-Core	2633	1557	58.59	\$44.95*
AMD Phenom 9750 Quad-Core	2811	1501	95.33	\$29.49*
AMD Phenom 9750B Quad-Core	2709	1537	NA	NA
AMD Phenom 9850 Quad-Core	2886	1481	24.06	\$119.99*
AMD Phenom 9850B Quad-Core	3160	1382	NA	NA
AMD Phenom 9950 Quad-Core	3009	1428	22.30	\$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1600	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1452	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1250	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1287	NA	NA
AMD Phenom II N620 Dual-Core	1686	1970	422.70	\$3.99*
AMD Phenom II N640 Dual-Core	1720	1943	26.50	\$64.95*
AMD Phenom II N660 Dual-Core	1844	1888	18.64	\$99.00*
AMD Phenom II N830 3+1	2652	1552	NA	NA
AMD Phenom II N830 Triple-Core	1890	1867	NA	NA
AMD Phenom II N850 Triple-Core	1934	1841	77.38	\$25.00*
AMD Phenom II N870 Triple-Core	2000	1809	NA	NA
AMD Phenom II N930 Quad-Core	2274	1692	17.50	\$129.95*
AMD Phenom II N950 Quad-Core	2482	1617	22.04	\$112.60*
AMD Phenom II N970 Quad-Core	2514	1603	16.77	\$149.99*
AMD Phenom II P650 Dual-Core	1579	2028	45.12	\$35.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>AMD Phenom II P820 Triple-Core</u>	1602	2020	NA	NA
<u>AMD Phenom II P840 Triple-Core</u>	1713	1952	NA	NA
<u>AMD Phenom II P860 Triple-Core</u>	1756	1929	NA	NA
<u>AMD Phenom II P920 Quad-Core</u>	1872	1875	24.96	\$75.00*
<u>AMD Phenom II P940 Quad-Core</u>	1831	1897	NA	NA
<u>AMD Phenom II P960 Quad-Core</u>	2085	1769	74.50	\$28.00*
<u>AMD Phenom II X2 511</u>	2104	1763	NA	NA
<u>AMD Phenom II X2 521</u>	2071	1776	NA	NA
<u>AMD Phenom II X2 545</u>	1918	1852	43.62	\$43.98*
<u>AMD Phenom II X2 550</u>	2023	1799	40.48	\$49.99*
<u>AMD Phenom II X2 555</u>	2043	1789	73.03	\$27.98*
<u>AMD Phenom II X2 560</u>	2062	1783	31.74	\$64.99*
<u>AMD Phenom II X2 565</u>	2225	1717	10.60	\$209.95*
<u>AMD Phenom II X2 570</u>	2068	1779	NA	NA
<u>AMD Phenom II X2 B53</u>	1709	1956	NA	NA
<u>AMD Phenom II X2 B55</u>	1926	1847	40.17	\$47.95*
<u>AMD Phenom II X2 B57</u>	1823	1901	NA	NA
<u>AMD Phenom II X2 B59</u>	2124	1755	48.25	\$44.04*
<u>AMD Phenom II X3 700e</u>	2242	1708	NA	NA
<u>AMD Phenom II X3 705e</u>	2209	1724	14.50	\$152.34*
<u>AMD Phenom II X3 710</u>	2448	1628	28.97	\$84.53*
<u>AMD Phenom II X3 715</u>	2649	1554	31.17	\$84.99*
<u>AMD Phenom II X3 720</u>	2666	1547	38.10	\$69.99*
<u>AMD Phenom II X3 740</u>	2985	1438	33.55	\$88.99*
<u>AMD Phenom II X3 B73</u>	2735	1529	36.47	\$75.00*
<u>AMD Phenom II X3 B75</u>	2897	1477	72.45	\$39.99*
<u>AMD Phenom II X3 B77</u>	3067	1415	137.64	\$22.29*
<u>AMD Phenom II X4 805</u>	2998	1434	17.23	\$173.99*
<u>AMD Phenom II X4 810</u>	3120	1396	26.90	\$115.99*
<u>AMD Phenom II X4 820</u>	3392	1309	45.27	\$74.95

AMD Phenom II X4 830	3434	1300	42.95	\$79.95
AMD Phenom II X4 840	3508	1283	39.00	\$89.95*
AMD Phenom II X4 840T	3596	1257	51.39	\$69.99*
AMD Phenom II X4 850	3549	1266	54.62	\$64.99*
AMD Phenom II X4 900e	2882	1484	NA	NA
AMD Phenom II X4 905e	3080	1410	57.06	\$53.99*
AMD Phenom II X4 910	3246	1351	32.46	\$100.00*
AMD Phenom II X4 910e	3254	1348	20.73	\$156.99*
AMD Phenom II X4 920	3389	1312	42.38	\$79.99*
AMD Phenom II X4 925	3411	1303	77.56	\$43.99*
AMD Phenom II X4 940	3587	1262	60.45	\$59.34*
AMD Phenom II X4 945	3651	1247	53.61	\$68.11
AMD Phenom II X4 955	3915	1185	30.08	\$130.16*
AMD Phenom II X4 960T	3772	1210	8.04	\$469.00
AMD Phenom II X4 965	4175	1130	49.71	\$84.01*
AMD Phenom II X4 970	4312	1104	29.12	\$148.11*
AMD Phenom II X4 973	3759	1216	NA	NA
AMD Phenom II X4 975	4445	1076	31.82	\$139.69*
AMD Phenom II X4 977	3750	1221	NA	NA
AMD Phenom II X4 980	4488	1066	19.52	\$229.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X4 8700e	2377	1654	NA	NA
AMD Phenom II X4 B05e	2792	1506	NA	NA
AMD Phenom II X4 B15e	2736	1528	NA	NA
AMD Phenom II X4 B25	3297	1337	NA	NA
AMD Phenom II X4 B35	3387	1314	NA	NA
AMD Phenom II X4 B40	3352	1321	NA	NA
AMD Phenom II X4 B45	3473	1291	NA	NA
AMD Phenom II X4 B50	3696	1235	NA	NA
AMD Phenom II X4 B55	3853	1191	NA	NA
AMD Phenom II X4 B60	4032	1155	NA	NA

<u>AMD Phenom II X4 B65</u>	4172	1131	NA	NA
<u>AMD Phenom II X4 B70</u>	4261	1112	NA	NA
<u>AMD Phenom II X4 B93</u>	3345	1322	NA	NA
<u>AMD Phenom II X4 B95</u>	3676	1240	<u>50.40</u>	<u>\$72.95*</u>
<u>AMD Phenom II X4 B97</u>	3863	1187	<u>67.80</u>	<u>\$56.99*</u>
<u>AMD Phenom II X4 B99</u>	4126	1138	NA	NA
<u>AMD Phenom II X6 1035T</u>	4664	1022	<u>24.68</u>	<u>\$189.00*</u>
<u>AMD Phenom II X6 1045T</u>	4793	1003	<u>44.38</u>	<u>\$108.01*</u>
<u>AMD Phenom II X6 1055T</u>	4964	970	<u>45.53</u>	<u>\$109.05*</u>
<u>AMD Phenom II X6 1065T</u>	5028	956	NA	NA
<u>AMD Phenom II X6 1075T</u>	5325	908	<u>47.13</u>	<u>\$112.99*</u>
<u>AMD Phenom II X6 1090T</u>	5556	866	<u>36.07</u>	<u>\$154.04*</u>
<u>AMD Phenom II X6 1100T</u>	5704	845	<u>32.14</u>	<u>\$177.49*</u>
<u>AMD Phenom II X6 1405T</u>	5042	952	NA	NA
<u>AMD Phenom II X620 Dual-Core</u>	2189	1732	NA	NA
<u>AMD Phenom II X640 Dual-Core</u>	2021	1801	NA	NA
<u>AMD Phenom II X920 Quad-Core</u>	2650	1553	NA	NA
<u>AMD Phenom II X940 Quad-Core</u>	2695	1539	NA	NA
<u>AMD Phenom Ultra X4 24500</u>	3945	1175	NA	NA
<u>AMD Phenom X2 Dual-Core GE-4060</u>	1697	1964	NA	NA
<u>AMD Phenom X2 Dual-Core GE-5560</u>	2206	1725	NA	NA
<u>AMD Phenom X2 Dual-Core GE-7060</u>	1752	1931	NA	NA
<u>AMD Phenom X2 Dual-Core GP-5000</u>	1180	2234	NA	NA
<u>AMD Phenom X2 Dual-Core GP-7730</u>	1435	2092	NA	NA
<u>AMD Phenom X3 8550</u>	1931	1845	<u>11.36</u>	<u>\$169.95*</u>
<u>AMD Phenom X4 Quad-Core GP-9500</u>	1757	1927	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9530</u>	1994	1811	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9600</u>	2235	1712	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9730</u>	2897	1478	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9830</u>	2715	1535	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9930</u>	2690	1541	NA	NA
<u>AMD Phenom X4 Quad-Core GS-5560</u>	1211	2216	NA	NA

AMD PRO A4-3350B APU	2274	1693	NA	NA
AMD PRO A4-4350B	1502	2066	NA	NA
AMD PRO A4-8350B	2776	1514	NA	NA
AMD PRO A6-7350B	2759	1521	NA	NA
AMD PRO A6-8500B	2516	1601	NA	NA
AMD PRO A6-8530B	2388	1650	NA	NA
AMD PRO A6-8550B	2970	1445	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD PRO A6-8570	3088	1407	NA	NA
AMD PRO A6-8570E	2824	1496	NA	NA
AMD PRO A6-9500	2950	1451	39.88	\$74.00*
AMD PRO A6-9500B	2076	1774	NA	NA
AMD PRO A6-9500E	2717	1533	36.73	\$74.00*
AMD PRO A8-8600B	3518	1279	NA	NA
AMD PRO A8-8650B	5223	920	NA	NA
AMD PRO A8-8670E	5015	960	NA	NA
AMD PRO A8-9600	5277	911	44.35	\$119.00*
AMD PRO A8-9600B	3964	1166	NA	NA
AMD PRO A10-8700B	3530	1275	NA	NA
AMD PRO A10-8730B	3953	1170	NA	NA
AMD PRO A10-8750B	5473	880	NA	NA
AMD PRO A10-8770	5707	843	NA	NA
AMD PRO A10-8770E	5035	954	NA	NA
AMD PRO A10-8850B	5852	823	NA	NA
AMD PRO A10-9700	5599	859	33.13	\$169.00*
AMD PRO A10-9700B	4380	1087	NA	NA
AMD PRO A10-9700E	5066	945	36.45	\$139.00*
AMD PRO A12-8800B	4111	1141	NA	NA
AMD PRO A12-8830B	4233	1116	NA	NA
AMD PRO A12-8870	6067	805	NA	NA
AMD PRO A12-8870E	5186	926	NA	NA

AMD PRO A12-9800	6132	793	36.29	\$169.00*
AMD PRO A12-9800B	4102	1144	NA	NA
AMD PRO A12-9800E	4769	1007	28.22	\$169.00*
AMD QC-4000	1663	1987	NA	NA
AMD R-260H APU	1576	2029	NA	NA
AMD R-272F APU	2007	1806	NA	NA
AMD R-460L APU	1954	1832	NA	NA
AMD R-464L APU	3117	1398	NA	NA
AMD RX-427BB	4364	1091	NA	NA
AMD Ryzen 3 1200	6796	723	104.57	\$64.99
AMD Ryzen 3 1300X	7565	655	36.99	\$204.50
AMD Ryzen 3 2200G	7334	677	86.30	\$84.99
AMD Ryzen 3 2200GE	6909	717	NA	NA
AMD Ryzen 3 2200U	4578	1046	NA	NA
AMD Ryzen 3 2300U	6085	803	NA	NA
AMD Ryzen 3 2300X	8350	569	NA	NA
AMD Ryzen 3 3200G	7871	619	82.87	\$94.99
AMD Ryzen 3 3200U	4590	1043	NA	NA
AMD Ryzen 3 3300U	6143	791	NA	NA
AMD Ryzen 3 PRO 1200	7075	699	NA	NA
AMD Ryzen 3 PRO 1300	7994	607	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	937	NA	NA
AMD Ryzen 3 PRO 2200G	8030	600	NA	NA
AMD Ryzen 3 PRO 2200GE	7500	658	NA	NA
AMD Ryzen 3 PRO 2300U	7063	701	NA	NA
AMD Ryzen 3 PRO 3200G	8528	549	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 3 PRO 3200GE	8298	573	NA	NA
AMD Ryzen 3 PRO 3300U	6765	728	NA	NA
AMD Ryzen 5 1400	8373	566	57.75	\$144.99
AMD Ryzen 5 1500X	10110	386	74.90	\$134.99

<u>AMD Ryzen 5 1600</u>	12293	284	<u>129.40</u>	<u>\$95.00</u>
<u>AMD Ryzen 5 1600X</u>	13205	251	<u>89.08</u>	<u>\$148.25</u>
<u>AMD Ryzen 5 2400G</u>	9327	465	<u>62.19</u>	<u>\$149.99</u>
<u>AMD Ryzen 5 2400GE</u>	9044	496	NA	NA
<u>AMD Ryzen 5 2500U</u>	7340	676	NA	NA
<u>AMD Ryzen 5 2500X</u>	9704	430	NA	NA
<u>AMD Ryzen 5 2600</u>	13507	244	<u>117.48</u>	<u>\$114.97</u>
<u>AMD Ryzen 5 2600H</u>	8366	567	NA	NA
<u>AMD Ryzen 5 2600X</u>	14360	212	<u>98.09</u>	<u>\$146.39</u>
<u>AMD Ryzen 5 3400G</u>	9991	396	<u>66.62</u>	<u>\$149.98</u>
<u>AMD Ryzen 5 3500</u>	14731	201	NA	NA
<u>AMD Ryzen 5 3500U</u>	7808	628	NA	NA
<u>AMD Ryzen 5 3500X</u>	15982	167	NA	NA
<u>AMD Ryzen 5 3550H</u>	8397	565	NA	NA
<u>AMD Ryzen 5 3580U</u>	8038	597	NA	NA
<u>AMD Ryzen 5 3600</u>	19853	94	<u>102.64</u>	<u>\$193.43</u>
<u>AMD Ryzen 5 3600X</u>	20518	83	<u>85.90</u>	<u>\$238.87</u>
<u>AMD Ryzen 5 PRO 1500</u>	10133	383	NA	NA
<u>AMD Ryzen 5 PRO 1600</u>	12213	287	NA	NA
<u>AMD Ryzen 5 PRO 2400G</u>	9984	399	NA	NA
<u>AMD Ryzen 5 PRO 2400GE</u>	8415	563	NA	NA
<u>AMD Ryzen 5 PRO 2500U</u>	8184	581	NA	NA
<u>AMD Ryzen 5 PRO 2600</u>	14221	215	NA	NA
<u>AMD Ryzen 5 PRO 3400G</u>	10793	341	NA	NA
<u>AMD Ryzen 5 PRO 3400GE</u>	10524	359	NA	NA
<u>AMD Ryzen 5 PRO 3500U</u>	8489	555	NA	NA
<u>AMD Ryzen 5 PRO 3600</u>	21586	69	NA	NA
<u>AMD Ryzen 7 1700</u>	13934	223	<u>43.68</u>	<u>\$318.99</u>
<u>AMD Ryzen 7 1700X</u>	14810	200	<u>75.96</u>	<u>\$194.99</u>
<u>AMD Ryzen 7 1800X</u>	15542	181	<u>71.84</u>	<u>\$216.36</u>
<u>AMD Ryzen 7 2700</u>	15067	192	<u>100.46</u>	<u>\$149.99</u>
<u>AMD Ryzen 7 2700E</u>	13410	248	NA	NA

AMD Ryzen 7 2700U	7410	671	NA	NA
AMD Ryzen 7 2700X	16940	138	89.16	\$189.99
AMD Ryzen 7 2800H	8498	554	NA	NA
AMD Ryzen 7 3700U	8008	603	NA	NA
AMD Ryzen 7 3700X	23839	52	72.68	\$327.99
AMD Ryzen 7 3750H	8886	517	NA	NA
AMD Ryzen 7 3780U	8064	593	NA	NA
AMD Ryzen 7 3800X	24505	47	64.50	\$379.95
AMD Ryzen 7 PRO 1700	14112	219	NA	NA
AMD Ryzen 7 PRO 1700X	15324	185	NA	NA
AMD Ryzen 7 PRO 2700	15178	189	NA	NA
AMD Ryzen 7 PRO 2700U	8877	518	NA	NA
AMD Ryzen 7 PRO 2700X	17161	135	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 PRO 3700	26231	30	NA	NA
AMD Ryzen 7 PRO 3700U	8545	547	NA	NA
AMD Ryzen 9 3900	31096	14	NA	NA
AMD Ryzen 9 3900X	31950	10	64.70	\$493.84
AMD Ryzen 9 3950X	35754	6	44.69	\$799.99
AMD Ryzen 9 PRO 3900	32899	9	NA	NA
AMD Ryzen Embedded R1505G	4578	1045	NA	NA
AMD Ryzen Embedded V1202B	4447	1073	NA	NA
AMD Ryzen Embedded V1605B	7390	673	NA	NA
AMD Ryzen Embedded V1756B	8559	546	NA	NA
AMD Ryzen Embedded V1807B	8528	551	NA	NA
AMD Ryzen Threadripper 1900X	16097	161	65.71	\$244.99
AMD Ryzen Threadripper 1920X	20120	91	95.82	\$209.99
AMD Ryzen Threadripper 1950X	21956	63	44.81	\$489.99*
AMD Ryzen Threadripper 2920X	21846	66	35.11	\$622.16
AMD Ryzen Threadripper 2950X	25257	41	36.08	\$699.99
AMD Ryzen Threadripper 2970WX	21838	67	23.23	\$939.99

AMD Ryzen Threadripper 2990WX	23186	56	14.96	\$1,549.99
AMD Ryzen Threadripper 2990X	19227	109	NA	NA
AMD Ryzen Threadripper 3960X	47005	3	32.20	\$1,459.95
AMD Ryzen Threadripper 3970X	48513	1	24.27	\$1,999.00
AMD Sempron 130	700	2501	28.03	\$24.99*
AMD Sempron 140	739	2484	18.69	\$39.59*
AMD Sempron 145	807	2455	8.51	\$94.92
AMD Sempron 150	759	2473	16.91	\$44.95*
AMD Sempron 200U	267	2886	3.08	\$87.00*
AMD Sempron 210U	391	2732	NA	NA
AMD Sempron 240	2110	1760	36.39	\$58.00
AMD Sempron 2100+	392	2730	NA	NA
AMD Sempron 2200+	282	2865	9.42	\$29.99*
AMD Sempron 2300+	318	2807	7.07	\$45.00*
AMD Sempron 2400+	314	2814	12.10	\$26.00
AMD Sempron 2500+	334	2791	2.39	\$139.95
AMD Sempron 2600+	374	2747	10.71	\$34.95
AMD Sempron 2650 APU	951	2376	19.36	\$49.14
AMD Sempron 2800+	383	2737	6.39	\$60.00
AMD Sempron 3000+	408	2704	20.41	\$20.00
AMD Sempron 3100+	452	2657	7.53	\$60.00*
AMD Sempron 3200+	406	2707	3.32	\$122.71
AMD Sempron 3300+	484	2627	4.39	\$110.27*
AMD Sempron 3400+	454	2655	6.50	\$69.98
AMD Sempron 3500+	379	2740	18.98	\$20.00*
AMD Sempron 3600+	483	2629	40.30	\$12.00*
AMD Sempron 3800+	554	2573	3.62	\$152.92*
AMD Sempron 3850 APU	1718	1946	23.57	\$72.90
AMD Sempron Dual Core 2100	936	2389	24.02	\$39.00*
AMD Sempron Dual Core 2200	995	2344	NA	NA
AMD Sempron Dual Core 2300	982	2351	23.39	\$41.99*
AMD Sempron Dual Core 4700	948	2380	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron Dual Core 4900	1081	2296	NA	NA
AMD Sempron LE-250	490	2616	NA	NA
AMD Sempron LE-1100	437	2675	NA	NA
AMD Sempron LE-1150	445	2667	NA	NA
AMD Sempron LE-1200	529	2587	NA	NA
AMD Sempron LE-1250	543	2578	5.44	\$99.95*
AMD Sempron LE-1300	595	2550	28.37	\$21.00
AMD Sempron LE-1600	535	2583	NA	NA
AMD Sempron LE-1620	635	2531	NA	NA
AMD Sempron LE-1640	759	2475	NA	NA
AMD Sempron M100	566	2569	47.17	\$12.00*
AMD Sempron M120	582	2558	NA	NA
AMD Sempron SI-40	447	2664	37.27	\$12.00*
AMD Sempron SI-42	455	2654	15.19	\$30.01*
AMD Sempron X2 180	1391	2110	20.05	\$69.40*
AMD Sempron X2 190	1534	2047	18.39	\$83.44*
AMD Sempron X2 198 Dual-Core	1413	2103	NA	NA
AMD Turion 64 Mobile MK-36	465	2642	NA	NA
AMD Turion 64 Mobile MK-38	513	2599	NA	NA
AMD Turion 64 Mobile ML-28	390	2734	NA	NA
AMD Turion 64 Mobile ML-30	402	2714	NA	NA
AMD Turion 64 Mobile ML-32	402	2712	NA	NA
AMD Turion 64 Mobile ML-34	425	2689	NA	NA
AMD Turion 64 Mobile ML-37	446	2665	2.27	\$196.50*
AMD Turion 64 Mobile ML-40	522	2593	NA	NA
AMD Turion 64 Mobile ML-42	615	2540	NA	NA
AMD Turion 64 Mobile ML-44	591	2551	NA	NA
AMD Turion 64 Mobile MT-28	419	2692	NA	NA
AMD Turion 64 Mobile MT-30	378	2741	NA	NA
AMD Turion 64 Mobile MT-32	426	2688	NA	NA

AMD Turion 64 Mobile MT-34	429	2684	NA	NA
AMD Turion 64 Mobile MT-37	484	2626	NA	NA
AMD Turion 64 Mobile MT-40	536	2582	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2480	14.95	\$49.99*
AMD Turion 64 X2 Mobile TL-52	763	2469	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2415	63.89	\$13.95*
AMD Turion 64 X2 Mobile TL-58	949	2379	NA	NA
AMD Turion 64 X2 Mobile TL-60	1000	2339	62.70	\$15.95*
AMD Turion 64 X2 Mobile TL-62	1092	2286	3.51	\$311.00*
AMD Turion 64 X2 Mobile TL-64	1090	2287	27.69	\$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2260	3.02	\$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2247	12.92	\$90.00*
AMD Turion Dual-Core RM-70	912	2405	36.49	\$25.00*
AMD Turion Dual-Core RM-72	860	2425	21.52	\$39.99*
AMD Turion Dual-Core RM-74	1016	2330	NA	NA
AMD Turion Dual-Core RM-75	1019	2327	37.11	\$27.46*
AMD Turion II Dual-Core Mobile M500	1294	2165	NA	NA
AMD Turion II Dual-Core Mobile M520	1306	2158	18.91	\$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2142	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion II N530 Dual-Core	1567	2033	52.24	\$30.00*
AMD Turion II N550 Dual-Core	1521	2050	NA	NA
AMD Turion II Neo K625 Dual-Core	977	2354	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2231	NA	NA
AMD Turion II Neo N40L Dual-Core	930	2392	NA	NA
AMD Turion II Neo N54L Dual-Core	1357	2133	NA	NA
AMD Turion II P520 Dual-Core	1360	2128	NA	NA
AMD Turion II P540 Dual-Core	1432	2095	28.67	\$49.95*
AMD Turion II P560 Dual-Core	1513	2059	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	2105	52.55	\$26.76*
AMD Turion II Ultra Dual-Core Mobile M620	1435	2093	NA	NA

<u>AMD Turion II Ultra Dual-Core Mobile M640</u>	1670	1975	NA	NA
<u>AMD Turion II Ultra Dual-Core Mobile M660</u>	1533	2048	NA	NA
<u>AMD Turion Neo X2 Dual Core L625</u>	813	2451	NA	NA
<u>AMD Turion X2 Dual Core L510</u>	923	2398	NA	NA
<u>AMD Turion X2 Dual Core Mobile RM-70</u>	858	2426	<u>6.48</u>	<u>\$132.56*</u>
<u>AMD Turion X2 Dual Core Mobile RM-76</u>	1059	2304	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-70</u>	994	2348	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-72</u>	1084	2290	<u>4.84</u>	<u>\$224.26*</u>
<u>AMD Turion X2 Dual-Core Mobile RM-74</u>	1064	2301	<u>43.52</u>	<u>\$24.47*</u>
<u>AMD Turion X2 Dual-Core Mobile RM-75</u>	1120	2265	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-77</u>	1149	2256	NA	NA
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-80</u>	1023	2322	<u>16.51</u>	<u>\$62.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-82</u>	1084	2292	NA	NA
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-84</u>	1209	2219	<u>63.72</u>	<u>\$18.99*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-85</u>	1234	2205	<u>27.43</u>	<u>\$45.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-86</u>	1295	2164	<u>23.56</u>	<u>\$55.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-87</u>	1211	2217	<u>30.32</u>	<u>\$39.95*</u>
<u>AMD TurionX2 Dual Core Mobile RM-70</u>	997	2342	NA	NA
<u>AMD TurionX2 Dual Core Mobile RM-72</u>	1026	2319	NA	NA
<u>AMD TurionX2 Ultra DualCore Mobile ZM-85</u>	1454	2085	NA	NA
<u>AMD V105</u>	299	2834	NA	NA
<u>AMD V120</u>	623	2538	NA	NA
<u>AMD V140</u>	643	2528	<u>12.89</u>	<u>\$49.95*</u>
<u>AMD V160</u>	677	2513	NA	NA
<u>AMD Z-01</u>	523	2591	NA	NA
<u>AMD Z-60 APU</u>	500	2609	NA	NA
<u>AMD-K6 3D</u>	90	3010	NA	NA
<u>AMD-K6-III</u>	108	3007	NA	NA
<u>AMD-K7</u>	403	2711	NA	NA

<u>Athlon 64 Dual Core 3800+</u>	1234	2206	NA	NA
<u>Athlon 64 Dual Core 4200+</u>	1156	2252	5.64	\$204.95*
<u>Athlon 64 Dual Core 4800+</u>	1370	2123	NA	NA
<u>Athlon 64 Dual Core 5000+</u>	1507	2061	NA	NA
<u>Athlon 64 Dual Core 5400+</u>	1614	2013	NA	NA
<u>Athlon 64 Dual Core 5600+</u>	1548	2040	NA	NA
<u>Athlon Dual Core 4050e</u>	968	2360	NA	NA
<u>Athlon Dual Core 4450e</u>	1204	2223	NA	NA
<u>Athlon Dual Core 4850e</u>	1346	2137	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>Celeron Dual-Core Q8300 @ 2.50GHz</u>	2837	1491	NA	NA
<u>Celeron Dual-Core T3000 @ 1.80GHz</u>	1083	2293	NA	NA
<u>Celeron Dual-Core T3100 @ 1.90GHz</u>	1176	2237	28.00	\$42.00
<u>Celeron Dual-Core T3300 @ 2.00GHz</u>	1200	2225	NA	NA
<u>Celeron Dual-Core T3500 @ 2.10GHz</u>	1273	2184	NA	NA
<u>Dual-Core AMD Opteron 1220 SE</u>	1206	2221	NA	NA
<u>HP Hexa-Core 2.0GHz</u>	2178	1733	4.32	\$504.27*
<u>Intel 2.80GHz</u>	525	2590	NA	NA
<u>Intel 1300 @ 1.66GHz</u>	857	2427	NA	NA
<u>Intel 1400 @ 1.83GHz</u>	980	2353	NA	NA
<u>Intel 1500 @ 2.00GHz</u>	1024	2320	NA	NA
<u>Intel Atom 230 @ 1.60GHz</u>	307	2821	NA	NA
<u>Intel Atom 330 @ 1.60GHz</u>	586	2555	NA	NA
<u>Intel Atom C2338 @ 1.74GHz</u>	898	2413	NA	NA
<u>Intel Atom C2358 @ 1.74GHz</u>	961	2368	NA	NA
<u>Intel Atom C2538 @ 2.40GHz</u>	2085	1770	20.05	\$104.00*
<u>Intel Atom C2550 @ 2.40GHz</u>	2141	1746	NA	NA
<u>Intel Atom C2558 @ 2.40GHz</u>	2169	1736	15.95	\$136.00*
<u>Intel Atom C2750 @ 2.40GHz</u>	3768	1212	16.24	\$232.00*
<u>Intel Atom C2750 @ 2.41GHz</u>	3344	1323	NA	NA
<u>Intel Atom C2758 @ 2.40GHz</u>	3162	1380	14.72	\$214.86*

Intel Atom C3538 @ 2.10GHz	2455	1623	32.73	\$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1594	29.52	\$86.00*
Intel Atom C3858 @ 2.00GHz	4852	993	14.62	\$332.00*
Intel Atom C3958 @ 2.00GHz	6586	751	14.67	\$449.00*
Intel Atom D410 @ 1.66GHz	301	2830	0.47	\$635.99*
Intel Atom D425 @ 1.80GHz	345	2782	0.35	\$992.98*
Intel Atom D510 @ 1.66GHz	658	2521	6.78	\$97.16*
Intel Atom D525 @ 1.80GHz	705	2498	NA	NA
Intel Atom D2500 @ 1.86GHz	408	2702	NA	NA
Intel Atom D2550 @ 1.86GHz	681	2511	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2493	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2436	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2490	NA	NA
Intel Atom E660 @ 1.30GHz	271	2881	5.03	\$54.00*
Intel Atom E680 @ 1.60GHz	346	2779	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2796	1.58	\$209.99
Intel Atom E3825 @ 1.33GHz	579	2560	8.24	\$70.32*
Intel Atom E3826 @ 1.46GHz	489	2617	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2432	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2248	NA	NA
Intel Atom E3845 @ 1.91GHz	1504	2064	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1876	NA	NA
Intel Atom E3950 @ 1.60GHz	1864	1878	NA	NA
Intel Atom K510 @ 1.66GHz	658	2520	NA	NA
Intel Atom N270 @ 1.60GHz	269	2885	NA	NA
Intel Atom N280 @ 1.66GHz	282	2866	NA	NA
Intel Atom N435 @ 1.33GHz	261	2893	NA	NA
Intel Atom N450 @ 1.66GHz	296	2840	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom N455 @ 1.66GHz	283	2862	NA	NA
Intel Atom N470 @ 1.83GHz	332	2795	NA	NA

Intel Atom N475 @ 1.83GHz	314	2812	NA	NA
Intel Atom N550 @ 1.50GHz	523	2592	6.09	\$86.00*
Intel Atom N570 @ 1.66GHz	574	2565	6.68	\$86.00*
Intel Atom N2100 @ 1.60GHz	302	2826	NA	NA
Intel Atom N2600 @ 1.60GHz	527	2588	NA	NA
Intel Atom N2800 @ 1.86GHz	625	2537	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2401	14.32	\$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1791	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2452	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1568	2032	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1190	2228	8.95	\$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1029	2317	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1275	2182	60.76	\$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1692	1967	27.05	\$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1832	1896	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1892	1865	25.70	\$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1897	1862	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2961	4.33	\$45.00*
Intel Atom Z515 @ 1.20GHz	218	2937	NA	NA
Intel Atom Z520 @ 1.33GHz	218	2936	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2870	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2776	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2738	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2917	NA	NA
Intel Atom Z2760 @ 1.80GHz	570	2567	NA	NA
Intel Atom Z3735D @ 1.33GHz	937	2388	NA	NA
Intel Atom Z3735E @ 1.33GHz	948	2381	8.10	\$117.00*
Intel Atom Z3735F @ 1.33GHz	914	2402	5.04	\$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2409	NA	NA
Intel Atom Z3736F @ 1.33GHz	912	2404	NA	NA
Intel Atom Z3740 @ 1.33GHz	1068	2299	NA	NA
Intel Atom Z3740D @ 1.33GHz	1011	2331	NA	NA

Intel Atom Z3745 @ 1.33GHz	1079	2297	35.98	\$30.00*
Intel Atom Z3745D @ 1.33GHz	1018	2328	NA	NA
Intel Atom Z3770 @ 1.46GHz	1252	2196	8.38	\$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2456	NA	NA
Intel Atom Z3775 @ 1.46GHz	1275	2183	36.45	\$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2178	NA	NA
Intel Atom Z3795 @ 1.60GHz	1799	1909	NA	NA
Intel Celeron 1.70GHz	129	3002	NA	NA
Intel Celeron 1.80GHz	136	2998	NA	NA
Intel Celeron 2.00GHz	182	2973	NA	NA
Intel Celeron 2.10GHz	244	2915	NA	NA
Intel Celeron 2.13GHz	208	2947	NA	NA
Intel Celeron 2.20GHz	213	2942	NA	NA
Intel Celeron 2.26GHz	223	2932	NA	NA
Intel Celeron 2.30GHz	227	2929	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 2.40GHz	217	2938	NA	NA
Intel Celeron 2.50GHz	247	2909	NA	NA
Intel Celeron 2.53GHz	245	2913	NA	NA
Intel Celeron 2.60GHz	238	2919	NA	NA
Intel Celeron 2.66GHz	249	2907	NA	NA
Intel Celeron 2.70GHz	245	2914	NA	NA
Intel Celeron 2.80GHz	254	2899	NA	NA
Intel Celeron 2.93GHz	283	2861	NA	NA
Intel Celeron 3.06GHz	284	2859	NA	NA
Intel Celeron 3.20GHz	288	2851	NA	NA
Intel Celeron 3.33GHz	333	2793	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2802	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2804	NA	NA
Intel Celeron 420 @ 1.60GHz	451	2658	11.29	\$39.99*
Intel Celeron 430 @ 1.80GHz	487	2618	10.33	\$47.18

Intel Celeron 440 @ 2.00GHz	544	2576	18.15	\$29.99
Intel Celeron 450 @ 2.20GHz	626	2536	20.90	\$29.99*
Intel Celeron 530 @ 1.73GHz	474	2636	20.62	\$22.99*
Intel Celeron 540 @ 1.86GHz	521	2594	NA	NA
Intel Celeron 550 @ 2.00GHz	519	2595	7.99	\$64.95*
Intel Celeron 560 @ 2.13GHz	531	2585	6.65	\$79.95
Intel Celeron 570 @ 2.26GHz	517	2596	NA	NA
Intel Celeron 600MHz	147	2994	NA	NA
Intel Celeron 723 @ 1.20GHz	390	2733	NA	NA
Intel Celeron 743 @ 1.30GHz	421	2691	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2478	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2754	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2541	NA	NA
Intel Celeron 847 @ 1.10GHz	935	2390	2.97	\$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2324	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2258	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2240	39.12	\$29.99*
Intel Celeron 877 @ 1.40GHz	1291	2167	NA	NA
Intel Celeron 887 @ 1.50GHz	1276	2181	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2514	23.35	\$28.99
Intel Celeron 925 @ 2.30GHz	689	2506	NA	NA
Intel Celeron 1000M @ 1.80GHz	1668	1979	NA	NA
Intel Celeron 1000MHz	213	2941	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1904	NA	NA
Intel Celeron 1007U @ 1.50GHz	1389	2112	7.51	\$184.99*
Intel Celeron 1017U @ 1.60GHz	1504	2062	NA	NA
Intel Celeron 1019Y @ 1.00GHz	954	2374	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1713	NA	NA
Intel Celeron 1020M @ 2.10GHz	2023	1798	NA	NA
Intel Celeron 1037U @ 1.80GHz	1734	1940	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2230	NA	NA
Intel Celeron 1066MHz	259	2895	NA	NA

Intel Celeron 1100MHz	174	2980	NA	NA
Intel Celeron 1133MHz	282	2863	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 1200MHz	244	2916	NA	NA
Intel Celeron 1300MHz	288	2853	NA	NA
Intel Celeron 1333MHz	290	2847	NA	NA
Intel Celeron 1400MHz	302	2827	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1660	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	2017	18.67	\$86.00*
Intel Celeron 2950M @ 2.00GHz	1984	1814	NA	NA
Intel Celeron 2955U @ 1.40GHz	1413	2104	NA	NA
Intel Celeron 2957U @ 1.40GHz	1433	2094	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2275	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1676	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	2026	NA	NA
Intel Celeron 2981U @ 1.60GHz	1364	2126	NA	NA
Intel Celeron 3205U @ 1.50GHz	1495	2069	5.21	\$287.04*
Intel Celeron 3215U @ 1.70GHz	1652	1994	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1960	NA	NA
Intel Celeron 3765U @ 1.90GHz	1948	1836	NA	NA
Intel Celeron 3855U @ 1.60GHz	1663	1988	NA	NA
Intel Celeron 3865U @ 1.80GHz	1918	1853	NA	NA
Intel Celeron 3867U @ 1.80GHz	1862	1881	17.41	\$107.00*
Intel Celeron 3955U @ 2.00GHz	1943	1837	NA	NA
Intel Celeron 3965U @ 2.20GHz	2369	1657	22.14	\$107.00*
Intel Celeron 3965Y @ 1.50GHz	1607	2016	15.03	\$107.00*
Intel Celeron 4205U @ 1.80GHz	1977	1817	18.48	\$107.00*
Intel Celeron 4305UE @ 2.00GHz	2554	1586	NA	NA
Intel Celeron @ 1.30GHz	965	2361	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2967	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2449	NA	NA

Intel Celeron B800 @ 1.50GHz	1277	2180	NA	NA
Intel Celeron B810 @ 1.60GHz	1399	2107	NA	NA
Intel Celeron B815 @ 1.60GHz	1365	2125	NA	NA
Intel Celeron B820 @ 1.70GHz	1431	2096	36.45	\$39.29*
Intel Celeron B830 @ 1.80GHz	1512	2060	NA	NA
Intel Celeron B840 @ 1.90GHz	1715	1949	NA	NA
Intel Celeron D 347 @ 3.06GHz	271	2882	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2828	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2809	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2788	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2709	4.50	\$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2630	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2556	NA	NA
Intel Celeron E1200 @ 1.60GHz	861	2423	8.61	\$99.99
Intel Celeron E1400 @ 2.00GHz	1053	2307	15.05	\$69.99
Intel Celeron E1500 @ 2.20GHz	1168	2243	59.47	\$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2192	NA	NA
Intel Celeron E3200 @ 2.40GHz	1382	2115	26.59	\$51.99*
Intel Celeron E3300 @ 2.50GHz	1389	2113	43.44	\$31.99
Intel Celeron E3400 @ 2.60GHz	1440	2091	2.36	\$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	2084	36.37	\$39.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G440 @ 1.60GHz	694	2503	13.90	\$49.99*
Intel Celeron G460 @ 1.80GHz	1040	2313	16.01	\$65.00
Intel Celeron G465 @ 1.90GHz	1064	2302	10.64	\$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2162	NA	NA
Intel Celeron G530 @ 2.40GHz	2128	1753	53.22	\$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1947	NA	NA
Intel Celeron G540 @ 2.50GHz	2197	1730	48.82	\$45.00*
Intel Celeron G540T @ 2.10GHz	2067	1781	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1684	28.63	\$80.00

Intel Celeron G550T @ 2.20GHz	2032	1794	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1636	15.77	\$153.59
Intel Celeron G1101 @ 2.27GHz	1667	1982	84.34	\$19.77*
Intel Celeron G1610 @ 2.60GHz	2488	1614	52.95	\$47.00
Intel Celeron G1610T @ 2.30GHz	2258	1700	56.42	\$40.04*
Intel Celeron G1620 @ 2.70GHz	2578	1576	39.67	\$64.99
Intel Celeron G1620T @ 2.40GHz	2362	1662	56.26	\$42.00*
Intel Celeron G1630 @ 2.80GHz	2507	1606	35.83	\$69.99
Intel Celeron G1820 @ 2.70GHz	2749	1525	63.96	\$42.99
Intel Celeron G1820T @ 2.40GHz	2495	1613	59.42	\$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1751	NA	NA
Intel Celeron G1830 @ 2.80GHz	2568	1581	27.05	\$94.95*
Intel Celeron G1840 @ 2.80GHz	2860	1488	44.55	\$64.22
Intel Celeron G1840T @ 2.50GHz	2554	1587	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1467	36.38	\$79.99*
Intel Celeron G3900 @ 2.80GHz	3124	1395	58.70	\$53.23
Intel Celeron G3900E @ 2.40GHz	2679	1543	25.05	\$107.00*
Intel Celeron G3900T @ 2.60GHz	2925	1463	26.01	\$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1570	61.71	\$42.00*
Intel Celeron G3920 @ 2.90GHz	3129	1392	27.45	\$113.99*
Intel Celeron G3930 @ 2.90GHz	3038	1422	33.91	\$89.59*
Intel Celeron G3930T @ 2.70GHz	2766	1516	74.87	\$36.95
Intel Celeron G3930TE @ 2.70GHz	2970	1446	70.72	\$42.00*
Intel Celeron G3950 @ 3.00GHz	3049	1421	27.97	\$109.04*
Intel Celeron G4900 @ 3.10GHz	3293	1338	41.17	\$79.99
Intel Celeron G4900T @ 2.90GHz	3088	1406	73.54	\$42.00*
Intel Celeron G4920 @ 3.20GHz	3255	1347	48.60	\$66.99
Intel Celeron G4930 @ 3.20GHz	3503	1284	56.01	\$62.56
Intel Celeron J1750 @ 2.41GHz	1037	2315	NA	NA
Intel Celeron J1800 @ 2.41GHz	1019	2326	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	2010	NA	NA
Intel Celeron J1900 @ 1.99GHz	1853	1884	NA	NA

Intel Celeron J3060 @ 1.60GHz	975	2356	NA	NA
Intel Celeron J3160 @ 1.60GHz	1798	1910	NA	NA
Intel Celeron J3355 @ 2.00GHz	1160	2249	NA	NA
Intel Celeron J3455 @ 1.50GHz	2109	1761	6.03	\$349.99
Intel Celeron J4005 @ 2.00GHz	1552	2039	10.16	\$152.82
Intel Celeron J4105 @ 1.50GHz	2645	1555	24.72	\$107.00*
Intel Celeron M 1.00GHz	207	2948	16.60	\$12.49
Intel Celeron M 1.30GHz	316	2808	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron M 1.50GHz	343	2784	NA	NA
Intel Celeron M 1.60GHz	362	2765	NA	NA
Intel Celeron M 1.70GHz	393	2728	NA	NA
Intel Celeron M 360 1.40GHz	328	2798	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2810	NA	NA
Intel Celeron M 420 @ 1.60GHz	334	2792	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2756	NA	NA
Intel Celeron M 440 @ 1.86GHz	392	2729	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2901	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2660	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2683	NA	NA
Intel Celeron M 530 @ 1.73GHz	462	2646	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2579	NA	NA
Intel Celeron M 600MHz	151	2992	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2653	NA	NA
Intel Celeron M 900MHz	205	2949	NA	NA
Intel Celeron M 1200MHz	275	2878	NA	NA
Intel Celeron M 1300MHz	303	2824	NA	NA
Intel Celeron M 1500MHz	333	2794	NA	NA
Intel Celeron M ULV 800MHz	184	2971	NA	NA
Intel Celeron N2805 @ 1.46GHz	460	2650	NA	NA
Intel Celeron N2806 @ 1.60GHz	799	2457	NA	NA

Intel Celeron N2807 @ 1.58GHz	861	2424	NA	NA
Intel Celeron N2808 @ 1.58GHz	907	2408	NA	NA
Intel Celeron N2810 @ 2.00GHz	788	2462	5.64	\$139.99*
Intel Celeron N2815 @ 1.86GHz	856	2429	NA	NA
Intel Celeron N2820 @ 2.13GHz	937	2387	4.17	\$225.00
Intel Celeron N2830 @ 2.16GHz	965	2362	NA	NA
Intel Celeron N2840 @ 2.16GHz	1002	2337	NA	NA
Intel Celeron N2910 @ 1.60GHz	1189	2229	NA	NA
Intel Celeron N2920 @ 1.86GHz	1515	2058	NA	NA
Intel Celeron N2930 @ 1.83GHz	1658	1991	NA	NA
Intel Celeron N2940 @ 1.83GHz	1718	1945	NA	NA
Intel Celeron N3000 @ 1.04GHz	899	2411	NA	NA
Intel Celeron N3010 @ 1.04GHz	958	2371	NA	NA
Intel Celeron N3050 @ 1.60GHz	879	2416	4.59	\$191.44
Intel Celeron N3060 @ 1.60GHz	981	2352	NA	NA
Intel Celeron N3150 @ 1.60GHz	1665	1985	NA	NA
Intel Celeron N3160 @ 1.60GHz	1669	1978	5.96	\$279.99
Intel Celeron N3350 @ 1.10GHz	1116	2268	NA	NA
Intel Celeron N3450 @ 1.10GHz	1850	1886	11.68	\$158.39
Intel Celeron N4000 @ 1.10GHz	1430	2097	13.37	\$107.00*
Intel Celeron N4000C @ 1.10GHz	1226	2209	NA	NA
Intel Celeron N4100 @ 1.10GHz	2244	1705	20.98	\$107.00*
Intel Celeron P4500 @ 1.87GHz	1116	2267	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2346	NA	NA
Intel Celeron P4600 @ 2.00GHz	1328	2146	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2466	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2378	47.54	\$19.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron T1700 @ 1.83GHz	1058	2305	35.29	\$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1959	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2488	NA	NA

Intel Celeron U3405 @ 1.07GHz	684	2508	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2454	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1052	2308	6.58	\$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1158	2251	23.17	\$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1272	2185	17.85	\$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1383	2114	8.76	\$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	2076	54.89	\$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1108	2278	85.31	\$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2233	23.71	\$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1287	2170	43.00	\$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1359	2130	27.20	\$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	2088	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1497	2068	100.17	\$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1554	2038	103.68	\$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1692	1966	56.45	\$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1712	1953	166.28	\$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1940	1838	38.82	\$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1625	2008	33.17	\$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1727	1941	43.32	\$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1770	1922	61.06	\$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1873	1873	124.97	\$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1959	1828	16.33	\$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1490	2071	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1789	1913	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1882	1871	37.67	\$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1831	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1664	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1987	1812	99.44	\$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1887	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1754	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2148	1745	47.22	\$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2068	1780	NA	NA

Intel Core2 Duo E8500 @ 3.16GHz	2280	1690	57.02	\$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2398	1646	56.50	\$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1723	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2471	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2509	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2444	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2434	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	961	2367	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	969	2359	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2266	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1081	2295	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1346	2136	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1289	2169	64.51	\$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1311	2154	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo P7450 @ 2.13GHz	1416	2101	35.43	\$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2384	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1518	2054	6.60	\$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1455	2083	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2323	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1452	2086	4.89	\$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	2046	31.25	\$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1623	2009	42.73	\$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1740	1936	30.55	\$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	2035	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1748	1932	1.75	\$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1754	1930	17.72	\$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1866	1877	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2015	1803	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2554	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1252	2197	4.95	\$253.00*

Intel Core2 Duo SP9400 @ 2.40GHz	1675	1972	5.90	\$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	927	2394	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	833	2440	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	839	2438	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2450	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	935	2391	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2403	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2407	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	922	2399	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1039	2314	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2318	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2347	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1094	2284	109.51	\$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2271	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1206	2222	75.86	\$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1150	2255	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2218	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2210	81.79	\$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1284	2174	85.72	\$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1257	2191	32.67	\$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1359	2131	71.91	\$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1360	2129	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1021	2325	46.44	\$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2245	11.68	\$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1114	2270	5.53	\$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1195	2226	38.57	\$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1248	2201	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1271	2186	29.59	\$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1378	2119	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1425	2098	10.18	\$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1601	2021	2.63	\$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1298	2163	1.30	\$999.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T8300 @ 2.40GHz	1471	2079	13.51	\$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1675	1973	28.89	\$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1736	1939	38.63	\$44.95*
Intel Core2 Duo T9500 @ 2.60GHz	1792	1912	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1803	1906	6.03	\$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1926	1846	21.42	\$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2005	1807	4.73	\$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2137	1747	5.36	\$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	868	2421	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2552	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	668	2516	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2502	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	855	2430	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1129	2264	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1969	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1246	3.25	\$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3624	1249	2.42	\$1,495.95*
Intel Core2 Extreme Q9200 @ 2.40GHz	3415	1302	NA	NA
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1296	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1873	1874	7.11	\$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1908	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2144	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1688	1968	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1894	1863	4.62	\$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2076	1775	2.44	\$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4155	1133	4.83	\$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	1061	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4608	1037	2.86	\$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	1026	2.57	\$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2946	1453	73.70	\$39.98*

Intel Core2 Quad Q6700 @ 2.66GHz	3278	1341	72.87	\$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2807	1502	122.10	\$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2979	1440	59.60	\$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3162	1381	13.18	\$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2516	1602	6.47	\$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1352	8.40	\$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3152	1384	15.80	\$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3336	1330	69.47	\$48.03*
Intel Core2 Quad Q9450 @ 2.66GHz	3757	1218	105.24	\$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3510	1282	100.32	\$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3520	1278	18.53	\$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3960	1167	89.03	\$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4153	1136	46.66	\$89.00
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1172	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2767	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2817	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2695	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	465	2641	NA	NA
Intel Core 330 @ 1.60GHz	643	2527	NA	NA
Intel Core 860 @ 2.80GHz	4555	1048	28.65	\$159.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core Duo L2300 @ 1.50GHz	719	2491	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2499	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2479	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2505	NA	NA
Intel Core Duo T2250 @ 1.73GHz	755	2476	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2486	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2470	NA	NA
Intel Core Duo T2400 @ 1.83GHz	794	2461	49.63	\$16.00*
Intel Core Duo T2450 @ 2.00GHz	822	2446	NA	NA
Intel Core Duo T2500 @ 2.00GHz	863	2422	7.20	\$119.99*

Intel Core Duo T2600 @ 2.16GHz	943	2385	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2321	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2577	NA	NA
Intel Core Duo U2500 @ 1.20GHz	507	2605	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1840	NA	NA
Intel Core i3-330M @ 2.13GHz	1785	1915	11.16	\$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2298	NA	NA
Intel Core i3-350M @ 2.27GHz	1892	1866	17.37	\$108.95
Intel Core i3-370M @ 2.40GHz	2015	1804	50.44	\$39.96*
Intel Core i3-380M @ 2.53GHz	2092	1766	38.41	\$54.49
Intel Core i3-380UM @ 1.33GHz	1159	2250	NA	NA
Intel Core i3-390M @ 2.67GHz	2165	1737	55.59	\$38.95*
Intel Core i3-530 @ 2.93GHz	2564	1583	13.57	\$189.00
Intel Core i3-540 @ 3.07GHz	2684	1542	37.07	\$72.40
Intel Core i3-550 @ 3.20GHz	2829	1494	16.10	\$175.74*
Intel Core i3-560 @ 3.33GHz	2935	1457	16.31	\$179.95
Intel Core i3-1005G1 @ 1.20GHz	6058	806	21.56	\$281.00*
Intel Core i3-2100 @ 3.10GHz	3693	1238	76.56	\$48.24
Intel Core i3-2100T @ 2.50GHz	2980	1439	49.68	\$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1225	64.41	\$58.00*
Intel Core i3-2105 @ 3.10GHz	3712	1233	32.29	\$114.99*
Intel Core i3-2120 @ 3.30GHz	3931	1179	118.99	\$33.04
Intel Core i3-2120T @ 2.60GHz	3157	1383	126.36	\$24.99
Intel Core i3-2125 @ 3.30GHz	4015	1156	19.40	\$207.00*
Intel Core i3-2130 @ 3.40GHz	4075	1148	114.83	\$35.49
Intel Core i3-2140 @ 3.50GHz	4325	1098	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1490	12.62	\$225.00*
Intel Core i3-2310M @ 2.10GHz	2433	1633	62.70	\$38.81
Intel Core i3-2312M @ 2.10GHz	2374	1656	NA	NA
Intel Core i3-2328M @ 2.20GHz	2547	1589	27.40	\$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1413	NA	NA
Intel Core i3-2330M @ 2.20GHz	2528	1598	126.50	\$19.99

Intel Core i3-2332M @ 2.20GHz	2382	1653	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1944	NA	NA
Intel Core i3-2348M @ 2.30GHz	2624	1560	NA	NA
Intel Core i3-2350M @ 2.30GHz	2629	1559	82.48	\$31.88
Intel Core i3-2357M @ 1.30GHz	1556	2037	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1971	NA	NA
Intel Core i3-2367M @ 1.40GHz	1708	1957	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-2370M @ 2.40GHz	2777	1513	69.77	\$39.81
Intel Core i3-2375M @ 1.50GHz	1775	1920	NA	NA
Intel Core i3-2377M @ 1.50GHz	1824	1899	NA	NA
Intel Core i3-3110M @ 2.40GHz	3083	1409	38.57	\$79.95*
Intel Core i3-3120M @ 2.50GHz	3227	1359	29.34	\$110.00*
Intel Core i3-3130M @ 2.60GHz	3389	1313	NA	NA
Intel Core i3-3210 @ 3.20GHz	4044	1152	20.33	\$199.00*
Intel Core i3-3217U @ 1.80GHz	2305	1679	10.03	\$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1740	NA	NA
Intel Core i3-3220 @ 3.30GHz	4247	1114	86.68	\$49.00
Intel Core i3-3220T @ 2.80GHz	3696	1236	27.38	\$135.00
Intel Core i3-3225 @ 3.30GHz	4347	1093	13.38	\$324.99
Intel Core i3-3227U @ 1.90GHz	2470	1620	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1962	NA	NA
Intel Core i3-3240 @ 3.40GHz	4317	1102	86.34	\$50.00
Intel Core i3-3240T @ 2.90GHz	3666	1244	NA	NA
Intel Core i3-3245 @ 3.40GHz	4473	1069	31.96	\$139.95
Intel Core i3-3250 @ 3.50GHz	4449	1072	63.56	\$70.00
Intel Core i3-3250T @ 3.00GHz	3614	1251	NA	NA
Intel Core i3-4000M @ 2.40GHz	3259	1346	16.30	\$199.95*
Intel Core i3-4005U @ 1.70GHz	2447	1629	NA	NA
Intel Core i3-4010U @ 1.70GHz	2444	1630	16.29	\$149.99
Intel Core i3-4010Y @ 1.30GHz	1900	1860	NA	NA

Intel Core i3-4012Y @ 1.50GHz	2161	1741	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2214	1721	NA	NA
Intel Core i3-4025U @ 1.90GHz	2789	1508	NA	NA
Intel Core i3-4030U @ 1.90GHz	2719	1532	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1607	NA	NA
Intel Core i3-4100M @ 2.50GHz	3432	1301	15.71	\$218.57*
Intel Core i3-4110M @ 2.60GHz	3854	1190	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1473	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1420	NA	NA
Intel Core i3-4130 @ 3.40GHz	4805	1000	54.61	\$88.00
Intel Core i3-4130T @ 2.90GHz	4155	1134	16.72	\$248.56
Intel Core i3-4150 @ 3.50GHz	4904	983	49.54	\$99.00
Intel Core i3-4150T @ 3.00GHz	4227	1117	18.39	\$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1465	NA	NA
Intel Core i3-4160 @ 3.60GHz	5051	950	126.33	\$39.99
Intel Core i3-4160T @ 3.10GHz	4473	1068	29.82	\$149.99*
Intel Core i3-4170 @ 3.70GHz	5189	925	32.64	\$159.00
Intel Core i3-4170T @ 3.20GHz	4501	1063	21.44	\$209.95*
Intel Core i3-4330 @ 3.50GHz	5087	940	12.72	\$399.95
Intel Core i3-4330T @ 3.00GHz	4501	1062	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1363	NA	NA
Intel Core i3-4340 @ 3.60GHz	5245	916	30.86	\$169.99*
Intel Core i3-4350 @ 3.60GHz	4990	965	29.36	\$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	1106	NA	NA
Intel Core i3-4360 @ 3.70GHz	5446	885	21.03	\$259.00*
Intel Core i3-4360T @ 3.20GHz	4636	1027	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-4370 @ 3.80GHz	5617	855	18.18	\$309.00*
Intel Core i3-4370T @ 3.30GHz	4924	978	35.68	\$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	975	NA	NA
Intel Core i3-5005U @ 2.00GHz	2903	1471	NA	NA

Intel Core i3-5010U @ 2.10GHz	3061	1417	9.06	\$337.76*
Intel Core i3-5015U @ 2.10GHz	2977	1442	NA	NA
Intel Core i3-5020U @ 2.20GHz	3198	1365	6.97	\$459.00*
Intel Core i3-5157U @ 2.50GHz	3670	1243	NA	NA
Intel Core i3-6006U @ 2.00GHz	3075	1412	NA	NA
Intel Core i3-6098P @ 3.60GHz	5387	895	40.28	\$133.74*
Intel Core i3-6100 @ 3.70GHz	5484	877	42.52	\$128.99
Intel Core i3-6100E @ 2.70GHz	3769	1211	NA	NA
Intel Core i3-6100H @ 2.70GHz	4188	1125	NA	NA
Intel Core i3-6100T @ 3.20GHz	4860	992	36.01	\$134.99*
Intel Core i3-6100TE @ 2.70GHz	4315	1103	NA	NA
Intel Core i3-6100U @ 2.30GHz	3603	1255	7.00	\$515.00*
Intel Core i3-6102E @ 1.90GHz	3196	1367	14.20	\$225.00*
Intel Core i3-6157U @ 2.40GHz	3819	1201	NA	NA
Intel Core i3-6300 @ 3.80GHz	5842	826	18.85	\$309.99
Intel Core i3-6300T @ 3.30GHz	5258	914	33.93	\$154.99*
Intel Core i3-6320 @ 3.90GHz	6051	807	22.99	\$263.25
Intel Core i3-7020U @ 2.30GHz	3531	1274	12.57	\$281.00*
Intel Core i3-7100 @ 3.90GHz	5776	832	43.40	\$133.08
Intel Core i3-7100H @ 3.00GHz	4627	1032	20.57	\$225.00*
Intel Core i3-7100T @ 3.40GHz	5051	951	33.81	\$149.39
Intel Core i3-7100U @ 2.40GHz	3758	1217	9.19	\$408.76
Intel Core i3-7101TE @ 3.40GHz	5160	930	44.11	\$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1343	14.52	\$225.00*
Intel Core i3-7130U @ 2.70GHz	4061	1149	8.83	\$459.99*
Intel Core i3-7167U @ 2.80GHz	4757	1009	NA	NA
Intel Core i3-7300 @ 4.00GHz	6335	775	39.60	\$159.99*
Intel Core i3-7300T @ 3.50GHz	5369	898	29.57	\$181.59*
Intel Core i3-7320 @ 4.10GHz	6404	769	35.05	\$182.72*
Intel Core i3-7350K @ 4.20GHz	6597	750	34.91	\$188.96
Intel Core i3-8100 @ 3.60GHz	8006	604	61.59	\$129.99
Intel Core i3-8100B @ 3.60GHz	8544	548	64.24	\$133.00*

Intel Core i3-8100T @ 3.10GHz	7285	680	56.48	\$129.00*
Intel Core i3-8109U @ 3.00GHz	6084	804	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	1001	NA	NA
Intel Core i3-8130U @ 2.20GHz	5007	963	17.82	\$281.00*
Intel Core i3-8145U @ 2.10GHz	5483	878	19.51	\$281.00*
Intel Core i3-8300 @ 3.70GHz	8696	533	46.98	\$185.10
Intel Core i3-8300T @ 3.20GHz	8032	599	47.11	\$170.49*
Intel Core i3-8350K @ 4.00GHz	9238	475	46.48	\$198.75
Intel Core i3-9100 @ 3.60GHz	8938	510	68.77	\$129.99
Intel Core i3-9100F @ 3.60GHz	8897	513	104.69	\$84.99
Intel Core i3-9100T @ 3.10GHz	7650	646	62.71	\$122.00*
Intel Core i3-9300 @ 3.70GHz	10018	393	65.91	\$152.00*
Intel Core i3-9300T @ 3.20GHz	8777	526	61.38	\$143.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-9320 @ 3.70GHz	10144	382	62.62	\$162.00*
Intel Core i3-9350KF @ 4.00GHz	10526	358	57.71	\$182.42
Intel Core i3-10110U @ 2.10GHz	5755	838	NA	NA
Intel Core i3-21050 @ 3.10GHz	3862	1189	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1729	21.97	\$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1616	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3540	1268	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3676	1241	NA	NA
Intel Core i5-430M @ 2.27GHz	2093	1765	14.96	\$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	2140	NA	NA
Intel Core i5-450M @ 2.40GHz	2133	1750	66.77	\$31.95*
Intel Core i5-460M @ 2.53GHz	2319	1670	30.95	\$74.95*
Intel Core i5-470UM @ 1.33GHz	1067	2300	NA	NA
Intel Core i5-480M @ 2.67GHz	2399	1645	29.77	\$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1706	NA	NA
Intel Core i5-520M @ 2.40GHz	2366	1659	79.39	\$29.81
Intel Core i5-520UM @ 1.07GHz	1348	2135	NA	NA

Intel Core i5-540M @ 2.53GHz	2452	1624	36.07	\$68.00*
Intel Core i5-540UM @ 1.20GHz	1375	2121	NA	NA
Intel Core i5-560M @ 2.67GHz	2578	1575	31.46	\$81.97*
Intel Core i5-560UM @ 1.33GHz	1669	1977	NA	NA
Intel Core i5-580M @ 2.67GHz	2589	1571	23.56	\$109.95*
Intel Core i5-650 @ 3.20GHz	3092	1403	36.40	\$84.98*
Intel Core i5-655K @ 3.20GHz	3353	1320	55.90	\$59.99*
Intel Core i5-660 @ 3.33GHz	3246	1350	103.88	\$31.25*
Intel Core i5-661 @ 3.33GHz	3194	1368	13.89	\$229.99
Intel Core i5-670 @ 3.47GHz	3309	1334	11.86	\$279.00*
Intel Core i5-680 @ 3.60GHz	3513	1281	11.33	\$309.95
Intel Core i5-750 @ 2.67GHz	3719	1230	18.01	\$206.56
Intel Core i5-760 @ 2.80GHz	3933	1178	18.82	\$209.00*
Intel Core i5-1035G1 @ 1.00GHz	8824	521	29.71	\$297.00*
Intel Core i5-1035G4 @ 1.10GHz	8964	505	29.01	\$309.00*
Intel Core i5-1035G7 @ 1.20GHz	9657	434	30.18	\$320.00*
Intel Core i5-2300 @ 2.80GHz	5367	899	67.10	\$79.99*
Intel Core i5-2310 @ 2.90GHz	5538	869	39.20	\$141.29*
Intel Core i5-2320 @ 3.00GHz	5776	833	62.11	\$93.00
Intel Core i5-2380P @ 3.10GHz	5743	841	13.34	\$430.59*
Intel Core i5-2390T @ 2.70GHz	4212	1122	42.16	\$99.90*
Intel Core i5-2400 @ 3.10GHz	5975	811	199.24	\$29.99
Intel Core i5-2400S @ 2.50GHz	4995	964	56.13	\$89.00
Intel Core i5-2405S @ 2.50GHz	5082	941	24.44	\$208.00*
Intel Core i5-2410M @ 2.30GHz	3173	1373	44.07	\$72.00*
Intel Core i5-2415M @ 2.30GHz	3303	1336	NA	NA
Intel Core i5-2430M @ 2.40GHz	3287	1339	36.93	\$89.02*
Intel Core i5-2435M @ 2.40GHz	3232	1355	NA	NA
Intel Core i5-2450M @ 2.50GHz	3401	1306	46.40	\$73.30*
Intel Core i5-2450P @ 3.20GHz	6149	790	68.34	\$89.99*
Intel Core i5-2467M @ 1.60GHz	2320	1668	NA	NA
Intel Core i5-2500 @ 3.30GHz	6356	772	115.57	\$55.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-2500K @ 3.30GHz	6490	758	14.95	\$434.26*
Intel Core i5-2500S @ 2.70GHz	5392	893	82.65	\$65.24*
Intel Core i5-2500T @ 2.30GHz	4647	1025	51.64	\$89.99*
Intel Core i5-2510E @ 2.50GHz	3483	1288	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1333	NA	NA
Intel Core i5-2520M @ 2.50GHz	3593	1258	21.19	\$169.60*
Intel Core i5-2537M @ 1.40GHz	2064	1782	NA	NA
Intel Core i5-2540M @ 2.60GHz	3782	1209	65.19	\$58.02
Intel Core i5-2550K @ 3.40GHz	6677	741	35.14	\$190.00*
Intel Core i5-2557M @ 1.70GHz	2694	1540	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1219	NA	NA
Intel Core i5-3210M @ 2.50GHz	3829	1198	56.12	\$68.24*
Intel Core i5-3230M @ 2.60GHz	3946	1174	18.15	\$217.42*
Intel Core i5-3317U @ 1.70GHz	3091	1404	13.74	\$225.00*
Intel Core i5-3320M @ 2.60GHz	4133	1137	59.22	\$69.81
Intel Core i5-3330 @ 3.00GHz	5952	814	29.78	\$199.88*
Intel Core i5-3330S @ 2.70GHz	5680	847	59.80	\$94.99*
Intel Core i5-3335S @ 2.70GHz	5795	829	NA	NA
Intel Core i5-3337U @ 1.80GHz	3228	1358	14.35	\$225.00*
Intel Core i5-3339Y @ 1.50GHz	2225	1718	NA	NA
Intel Core i5-3340 @ 3.10GHz	6105	796	20.84	\$293.01*
Intel Core i5-3340M @ 2.70GHz	4252	1113	53.19	\$79.95
Intel Core i5-3340S @ 2.80GHz	5846	825	38.98	\$149.99*
Intel Core i5-3350P @ 3.10GHz	6156	788	41.04	\$149.99*
Intel Core i5-3360M @ 2.80GHz	4441	1077	47.86	\$92.81*
Intel Core i5-3380M @ 2.90GHz	4445	1075	NA	NA
Intel Core i5-3427U @ 1.80GHz	3551	1265	8.46	\$420.05*
Intel Core i5-3437U @ 1.90GHz	3624	1248	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1460	NA	NA
Intel Core i5-3450 @ 3.10GHz	6537	755	30.22	\$216.34

Intel Core i5-3450S @ 2.80GHz	6233	780	42.12	\$147.99
Intel Core i5-3470 @ 3.20GHz	6732	736	98.75	\$68.18
Intel Core i5-3470S @ 2.90GHz	6405	768	20.67	\$309.95
Intel Core i5-3470T @ 2.90GHz	4494	1064	14.55	\$308.95*
Intel Core i5-3475S @ 2.90GHz	6611	748	46.08	\$143.50*
Intel Core i5-3550 @ 3.30GHz	6970	708	22.49	\$309.99*
Intel Core i5-3550S @ 3.00GHz	6928	714	22.91	\$302.45*
Intel Core i5-3570 @ 3.40GHz	7142	694	84.03	\$84.99
Intel Core i5-3570K @ 3.40GHz	7189	691	22.13	\$324.88
Intel Core i5-3570S @ 3.10GHz	6735	734	23.63	\$285.00*
Intel Core i5-3570T @ 2.30GHz	5944	815	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3929	1180	NA	NA
Intel Core i5-4200H @ 2.80GHz	4463	1071	NA	NA
Intel Core i5-4200M @ 2.50GHz	4039	1153	49.79	\$81.12*
Intel Core i5-4200U @ 1.60GHz	3282	1340	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2399	1644	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2252	1702	NA	NA
Intel Core i5-4210H @ 2.90GHz	4533	1055	NA	NA
Intel Core i5-4210M @ 2.60GHz	4215	1120	13.60	\$309.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4210U @ 1.70GHz	3404	1305	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2375	1655	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1677	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1472	NA	NA
Intel Core i5-4250U @ 1.30GHz	3373	1316	9.40	\$359.00*
Intel Core i5-4258U @ 2.40GHz	4096	1145	NA	NA
Intel Core i5-4260U @ 1.40GHz	3584	1263	NA	NA
Intel Core i5-4278U @ 2.60GHz	4371	1089	NA	NA
Intel Core i5-4288U @ 2.60GHz	4303	1105	NA	NA
Intel Core i5-4300M @ 2.60GHz	4445	1074	NA	NA
Intel Core i5-4300U @ 1.90GHz	3738	1224	NA	NA

Intel Core i5-4300Y @ 1.60GHz	2502	1609	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1444	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	1119	NA	NA
Intel Core i5-4310M @ 2.70GHz	4661	1023	NA	NA
Intel Core i5-4310U @ 2.00GHz	3782	1208	NA	NA
Intel Core i5-4330M @ 2.80GHz	4551	1049	16.55	\$274.99*
Intel Core i5-4340M @ 2.90GHz	4882	986	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1252	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	1053	17.10	\$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1173	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1503	10.55	\$266.00*
Intel Core i5-4430 @ 3.00GHz	6347	773	39.67	\$159.99
Intel Core i5-4430S @ 2.70GHz	5977	810	37.36	\$159.99*
Intel Core i5-4440 @ 3.10GHz	6517	756	13.11	\$497.00*
Intel Core i5-4440S @ 2.80GHz	6271	777	13.55	\$462.97*
Intel Core i5-4460 @ 3.20GHz	6728	737	35.41	\$189.99
Intel Core i5-4460S @ 2.90GHz	6434	763	9.75	\$659.99*
Intel Core i5-4460T @ 1.90GHz	4986	966	NA	NA
Intel Core i5-4570 @ 3.20GHz	7159	693	82.64	\$86.63
Intel Core i5-4570R @ 2.70GHz	6776	726	NA	NA
Intel Core i5-4570S @ 2.90GHz	6842	720	33.80	\$202.42*
Intel Core i5-4570T @ 2.90GHz	4824	995	32.16	\$149.99*
Intel Core i5-4570TE @ 2.70GHz	3827	1199	19.14	\$199.99*
Intel Core i5-4590 @ 3.30GHz	7350	675	63.92	\$115.00
Intel Core i5-4590S @ 3.00GHz	7081	698	32.35	\$218.91*
Intel Core i5-4590T @ 2.00GHz	5626	852	26.80	\$209.95*
Intel Core i5-4670 @ 3.40GHz	7480	661	19.69	\$379.95
Intel Core i5-4670K @ 3.40GHz	7637	649	18.63	\$409.95
Intel Core i5-4670K CPT @ 3.40GHz	7411	670	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	668	26.88	\$276.00*
Intel Core i5-4670S @ 3.10GHz	7399	672	34.74	\$213.00*
Intel Core i5-4670T @ 2.30GHz	6155	789	23.76	\$259.02*

Intel Core i5-4690 @ 3.50GHz	7692	642	32.02	\$240.28
Intel Core i5-4690K @ 3.50GHz	7799	630	49.05	\$159.00
Intel Core i5-4690S @ 3.20GHz	7446	665	20.73	\$359.21*
Intel Core i5-4690T @ 2.50GHz	6547	753	NA	NA
Intel Core i5-5200U @ 2.20GHz	3497	1286	12.45	\$281.00*
Intel Core i5-5250U @ 1.60GHz	3599	1256	8.15	\$441.89*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-5257U @ 2.70GHz	4414	1082	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	1018	NA	NA
Intel Core i5-5300U @ 2.30GHz	3849	1194	7.08	\$543.39*
Intel Core i5-5350U @ 1.80GHz	3542	1267	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	660	NA	NA
Intel Core i5-5675C @ 3.10GHz	8125	588	26.22	\$309.95*
Intel Core i5-5675R @ 3.10GHz	7991	608	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4154	1135	NA	NA
Intel Core i5-6200U @ 2.30GHz	4010	1157	NA	NA
Intel Core i5-6260U @ 1.80GHz	4361	1092	12.72	\$342.99
Intel Core i5-6267U @ 2.90GHz	4891	984	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	1010	15.63	\$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6096	800	NA	NA
Intel Core i5-6300U @ 2.40GHz	4366	1090	NA	NA
Intel Core i5-6360U @ 2.00GHz	4686	1020	NA	NA
Intel Core i5-6400 @ 2.70GHz	6755	731	29.52	\$228.83*
Intel Core i5-6400T @ 2.20GHz	5621	854	21.62	\$259.95*
Intel Core i5-6402P @ 2.80GHz	7099	696	37.37	\$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6424	765	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6816	722	NA	NA
Intel Core i5-6442EQ @ 1.90GHz	5953	813	23.81	\$250.00*
Intel Core i5-6500 @ 3.20GHz	7251	685	45.07	\$160.89
Intel Core i5-6500T @ 2.50GHz	6310	776	23.37	\$269.95
Intel Core i5-6500TE @ 2.30GHz	6606	749	31.46	\$209.99*

Intel Core i5-6600 @ 3.30GHz	7778	632	29.68	\$262.13*
Intel Core i5-6600K @ 3.50GHz	8062	594	30.64	\$263.11*
Intel Core i5-6600T @ 2.70GHz	7303	678	24.35	\$299.95*
Intel Core i5-7200U @ 2.50GHz	4561	1047	16.23	\$281.00*
Intel Core i5-7260U @ 2.20GHz	5638	851	10.11	\$557.79
Intel Core i5-7267U @ 3.10GHz	5052	949	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	849	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6714	738	NA	NA
Intel Core i5-7300U @ 2.60GHz	5146	932	10.19	\$504.86
Intel Core i5-7360U @ 2.30GHz	5863	822	NA	NA
Intel Core i5-7400 @ 3.00GHz	7238	686	35.01	\$206.74
Intel Core i5-7400T @ 2.40GHz	6339	774	30.88	\$205.27
Intel Core i5-7440HQ @ 2.80GHz	7626	650	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	5901	818	23.60	\$250.00*
Intel Core i5-7500 @ 3.40GHz	7940	615	37.82	\$209.98
Intel Core i5-7500T @ 2.70GHz	6944	713	31.04	\$223.75*
Intel Core i5-7600 @ 3.50GHz	8619	544	35.33	\$243.99
Intel Core i5-7600K @ 3.80GHz	9049	493	29.19	\$309.99
Intel Core i5-7600T @ 2.80GHz	7983	610	28.46	\$280.55*
Intel Core i5-7640X @ 4.00GHz	9440	455	35.09	\$269.00
Intel Core i5-8200Y @ 1.30GHz	4211	1123	14.47	\$291.00*
Intel Core i5-8210Y @ 1.60GHz	4227	1118	NA	NA
Intel Core i5-8250U @ 1.60GHz	7643	647	NA	NA
Intel Core i5-8257U @ 1.40GHz	10742	343	33.57	\$320.00*
Intel Core i5-8259U @ 2.30GHz	10997	325	13.82	\$795.68
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8265U @ 1.60GHz	8003	606	26.95	\$297.00*
Intel Core i5-8265UC @ 1.60GHz	7783	631	NA	NA
Intel Core i5-8279U @ 2.40GHz	10599	353	33.12	\$320.00*
Intel Core i5-8300H @ 2.30GHz	9471	449	37.89	\$250.00*
Intel Core i5-8305G @ 2.80GHz	9000	497	NA	NA

Intel Core i5-8350U @ 1.70GHz	8129	586	27.37	\$297.00*
Intel Core i5-8365U @ 1.60GHz	8169	583	27.51	\$297.00*
Intel Core i5-8365UE @ 1.60GHz	8010	602	26.97	\$297.00*
Intel Core i5-8400 @ 2.80GHz	11565	306	49.97	\$231.43
Intel Core i5-8400H @ 2.50GHz	10370	367	41.48	\$250.00*
Intel Core i5-8400T @ 1.70GHz	9494	447	50.23	\$189.00*
Intel Core i5-8500 @ 3.00GHz	11817	298	41.76	\$282.98
Intel Core i5-8500B @ 3.00GHz	12756	268	66.44	\$192.00*
Intel Core i5-8500T @ 2.10GHz	9963	402	42.51	\$234.36*
Intel Core i5-8600 @ 3.10GHz	12489	277	45.29	\$275.78*
Intel Core i5-8600K @ 3.60GHz	12685	272	44.21	\$286.93
Intel Core i5-8600T @ 2.30GHz	10981	328	29.92	\$366.99*
Intel Core i5-9300H @ 2.40GHz	9875	410	39.50	\$250.00*
Intel Core i5-9400 @ 2.90GHz	11913	297	57.28	\$207.99
Intel Core i5-9400F @ 2.90GHz	12065	293	83.22	\$144.99
Intel Core i5-9400H @ 2.50GHz	11338	311	45.35	\$250.00*
Intel Core i5-9400T @ 1.80GHz	9777	425	53.72	\$182.00*
Intel Core i5-9500 @ 3.00GHz	12355	280	40.26	\$306.85
Intel Core i5-9500F @ 3.00GHz	13070	257	64.71	\$202.00*
Intel Core i5-9500T @ 2.20GHz	10776	342	56.13	\$192.00*
Intel Core i5-9600 @ 3.10GHz	13683	234	61.09	\$224.00*
Intel Core i5-9600K @ 3.70GHz	13499	245	65.22	\$206.99
Intel Core i5-9600KF @ 3.70GHz	13465	247	64.13	\$209.99
Intel Core i5-9600T @ 2.30GHz	11706	302	54.96	\$213.00*
Intel Core i5-10210U @ 1.60GHz	8526	552	28.71	\$297.00*
Intel Core i5-10210Y @ 1.00GHz	8004	605	NA	NA
Intel Core i5-24050S @ 2.50GHz	4928	976	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3730	1226	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1822	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1592	NA	NA
Intel Core i7-620LM @ 2.00GHz	1956	1829	NA	NA
Intel Core i7-620M @ 2.67GHz	2714	1536	24.68	\$110.01*

Intel Core i7-620UM @ 1.07GHz	1323	2148	NA	NA
Intel Core i7-640LM @ 2.13GHz	2243	1707	NA	NA
Intel Core i7-640M @ 2.80GHz	2826	1495	14.14	\$199.95*
Intel Core i7-640UM @ 1.20GHz	1638	1999	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1934	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1955	NA	NA
Intel Core i7-720QM @ 1.60GHz	3007	1430	8.22	\$365.95
Intel Core i7-740QM @ 1.73GHz	3189	1370	19.94	\$159.95*
Intel Core i7-820QM @ 1.73GHz	3217	1361	13.41	\$239.95*
Intel Core i7-840QM @ 1.87GHz	3410	1304	11.76	\$289.97*
Intel Core i7-860 @ 2.80GHz	5020	959	17.31	\$289.95*
Intel Core i7-860S @ 2.53GHz	4919	980	24.60	\$199.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-870 @ 2.93GHz	5336	904	59.30	\$89.99
Intel Core i7-870S @ 2.67GHz	4849	994	NA	NA
Intel Core i7-875K @ 2.93GHz	5416	887	16.89	\$320.76*
Intel Core i7-880 @ 3.07GHz	5505	876	9.44	\$583.00*
Intel Core i7-920 @ 2.67GHz	4910	981	119.76	\$41.00
Intel Core i7-920XM @ 2.00GHz	3727	1227	9.32	\$399.95*
Intel Core i7-930 @ 2.80GHz	5126	934	46.61	\$109.99
Intel Core i7-940 @ 2.93GHz	5332	906	51.27	\$103.99*
Intel Core i7-940XM @ 2.13GHz	3921	1183	NA	NA
Intel Core i7-950 @ 3.07GHz	5536	870	18.04	\$306.89
Intel Core i7-960 @ 3.20GHz	5791	830	20.69	\$280.00
Intel Core i7-965 @ 3.20GHz	5850	824	41.79	\$139.99*
Intel Core i7-970 @ 3.20GHz	8349	570	16.70	\$499.95
Intel Core i7-975 @ 3.33GHz	6097	799	14.87	\$409.92*
Intel Core i7-980 @ 3.33GHz	8528	550	42.65	\$199.98*
Intel Core i7-980X @ 3.33GHz	8743	531	7.88	\$1,109.95
Intel Core i7-985 @ 3.47GHz	6641	746	NA	NA
Intel Core i7-990X @ 3.47GHz	9049	494	25.86	\$349.99*

Intel Core i7-995X @ 3.60GHz	9791	419	NA	NA
Intel Core i7-1065G7 @ 1.30GHz	10534	356	NA	NA
Intel Core i7-2600 @ 3.40GHz	8180	582	68.18	\$119.99
Intel Core i7-2600K @ 3.40GHz	8431	561	58.15	\$145.00
Intel Core i7-2600S @ 2.80GHz	7087	697	67.42	\$105.12*
Intel Core i7-2610UE @ 1.50GHz	2481	1618	NA	NA
Intel Core i7-2617M @ 1.50GHz	2812	1500	NA	NA
Intel Core i7-2620M @ 2.70GHz	3839	1195	22.61	\$169.81*
Intel Core i7-2630QM @ 2.00GHz	5523	873	53.72	\$102.81*
Intel Core i7-2630UM @ 1.60GHz	2584	1574	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5426	886	NA	NA
Intel Core i7-2637M @ 1.70GHz	2900	1475	NA	NA
Intel Core i7-2640M @ 2.80GHz	3924	1182	32.76	\$119.81
Intel Core i7-2655LE @ 2.20GHz	3229	1357	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5880	820	42.30	\$139.00*
Intel Core i7-2675QM @ 2.20GHz	5546	868	NA	NA
Intel Core i7-2677M @ 1.80GHz	2833	1493	NA	NA
Intel Core i7-2700K @ 3.50GHz	8689	535	28.96	\$300.00
Intel Core i7-2710QE @ 2.10GHz	5768	836	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	900	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6108	795	32.16	\$189.95
Intel Core i7-2760QM @ 2.40GHz	6553	752	31.21	\$209.95
Intel Core i7-2820QM @ 2.30GHz	6646	744	36.72	\$181.02*
Intel Core i7-2840QM @ 2.40GHz	6766	727	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6950	711	12.85	\$541.00*
Intel Core i7-2920XM @ 2.50GHz	7006	704	15.91	\$440.44*
Intel Core i7-2960XM @ 2.70GHz	7224	688	17.62	\$409.95*
Intel Core i7-3517U @ 1.90GHz	3540	1269	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3150	1387	NA	NA
Intel Core i7-3520M @ 2.90GHz	4550	1051	34.47	\$132.02*
Intel Core i7-3537U @ 2.00GHz	3811	1205	NA	NA
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price

	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Core i7-3540M @ 3.00GHz	4666	1021	10.85	\$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1165	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6544	754	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7459	663	18.65	\$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	739	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6818	721	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	664	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7389	674	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7582	652	31.73	\$239.00*
Intel Core i7-3632QM @ 2.20GHz	6927	715	32.36	\$214.05
Intel Core i7-3635QM @ 2.40GHz	6673	742	NA	NA
Intel Core i7-3667U @ 2.00GHz	3980	1164	NA	NA
Intel Core i7-3687U @ 2.10GHz	4123	1140	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1360	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8122	589	22.38	\$363.00*
Intel Core i7-3740QM @ 2.70GHz	8303	572	34.60	\$239.95*
Intel Core i7-3770 @ 3.40GHz	9276	470	78.62	\$117.99
Intel Core i7-3770K @ 3.50GHz	9514	444	23.21	\$409.99
Intel Core i7-3770S @ 3.10GHz	8897	514	25.57	\$348.00
Intel Core i7-3770T @ 2.50GHz	8204	580	24.86	\$329.99*
Intel Core i7-3820 @ 3.60GHz	8988	499	31.54	\$285.00*
Intel Core i7-3820QM @ 2.70GHz	8403	564	29.49	\$285.00*
Intel Core i7-3840QM @ 2.80GHz	8762	530	26.16	\$335.00
Intel Core i7-3920XM @ 2.90GHz	8984	501	8.20	\$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11973	296	63.02	\$189.99
Intel Core i7-3940XM @ 3.00GHz	9168	480	15.03	\$609.95*
Intel Core i7-3960X @ 3.30GHz	12564	275	114.24	\$109.99*
Intel Core i7-3970X @ 3.50GHz	12693	270	31.11	\$407.99
Intel Core i7-4500U @ 1.80GHz	3785	1207	NA	NA
Intel Core i7-4510U @ 2.00GHz	3918	1184	NA	NA
Intel Core i7-4550U @ 1.50GHz	3676	1242	NA	NA

Intel Core i7-4558U @ 2.80GHz	4401	1083	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	1097	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	1006	NA	NA
Intel Core i7-4600M @ 2.90GHz	4908	982	NA	NA
Intel Core i7-4600U @ 2.10GHz	4102	1143	NA	NA
Intel Core i7-4610M @ 3.00GHz	4923	979	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1222	NA	NA
Intel Core i7-4650U @ 1.70GHz	3948	1171	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7203	690	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7735	639	20.20	\$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7689	643	40.68	\$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7420	667	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7131	695	32.65	\$218.45*
Intel Core i7-4710HQ @ 2.50GHz	7723	640	20.43	\$378.00*
Intel Core i7-4710MQ @ 2.50GHz	7982	611	29.39	\$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7532	656	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7205	689	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7990	609	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4722HQ @ 2.40GHz	8093	591	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8205	579	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8793	524	NA	NA
Intel Core i7-4765T @ 2.00GHz	7299	679	14.34	\$508.95
Intel Core i7-4770 @ 3.40GHz	9782	422	53.16	\$184.00
Intel Core i7-4770HQ @ 2.20GHz	8961	506	NA	NA
Intel Core i7-4770K @ 3.50GHz	10073	389	29.12	\$345.98
Intel Core i7-4770R @ 3.20GHz	9830	416	NA	NA
Intel Core i7-4770S @ 3.10GHz	9353	461	15.33	\$610.00
Intel Core i7-4770T @ 2.50GHz	8610	545	21.53	\$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	735	NA	NA
Intel Core i7-4771 @ 3.50GHz	9856	413	16.16	\$609.99*

Intel Core i7-4785T @ 2.20GHz	7643	648	NA	NA
Intel Core i7-4790 @ 3.60GHz	9990	398	54.00	\$185.00
Intel Core i7-4790K @ 4.00GHz	11165	318	36.02	\$309.99
Intel Core i7-4790S @ 3.20GHz	9562	441	35.55	\$269.00
Intel Core i7-4790T @ 2.70GHz	9078	488	25.22	\$359.99*
Intel Core i7-4800MQ @ 2.70GHz	8447	558	41.41	\$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8655	540	45.57	\$189.95*
Intel Core i7-4820K @ 3.70GHz	9718	428	44.18	\$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9056	492	20.87	\$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7900	617	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9275	471	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9353	462	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8975	502	15.30	\$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9336	463	20.30	\$459.95*
Intel Core i7-4930K @ 3.40GHz	13022	258	16.28	\$799.97*
Intel Core i7-4930MX @ 3.00GHz	9444	454	8.62	\$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9779	424	13.77	\$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9856	414	15.82	\$623.00*
Intel Core i7-4960X @ 3.60GHz	13803	231	17.93	\$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10304	370	NA	NA
Intel Core i7-5500U @ 2.40GHz	3981	1162	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1193	NA	NA
Intel Core i7-5557U @ 3.10GHz	4955	972	7.03	\$705.00*
Intel Core i7-5600U @ 2.60GHz	4323	1100	NA	NA
Intel Core i7-5650U @ 2.20GHz	4242	1115	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	584	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	577	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8348	571	NA	NA
Intel Core i7-5775C @ 3.30GHz	10852	337	15.81	\$686.32*
Intel Core i7-5775R @ 3.30GHz	10879	336	NA	NA
Intel Core i7-5820K @ 3.30GHz	13012	259	61.97	\$209.99

Intel Core i7-5850EQ @ 2.70GHz	9817	417	22.57	\$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	451	21.80	\$434.00*
Intel Core i7-5930K @ 3.50GHz	13663	235	56.93	\$239.99
Intel Core i7-5950HQ @ 2.90GHz	10850	338	NA	NA
Intel Core i7-5960X @ 3.00GHz	15983	166	15.33	\$1,042.93*
Intel Core i7-6498DU @ 2.50GHz	4470	1070	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-6500U @ 2.50GHz	4420	1078	11.25	\$393.00*
Intel Core i7-6560U @ 2.20GHz	4822	996	NA	NA
Intel Core i7-6567U @ 3.30GHz	5582	861	NA	NA
Intel Core i7-6600U @ 2.60GHz	4802	1002	NA	NA
Intel Core i7-6650U @ 2.20GHz	4978	967	NA	NA
Intel Core i7-6700 @ 3.40GHz	10004	395	28.59	\$349.89
Intel Core i7-6700HQ @ 2.60GHz	8127	587	21.50	\$378.00*
Intel Core i7-6700K @ 4.00GHz	11108	319	35.56	\$312.39*
Intel Core i7-6700T @ 2.80GHz	8995	498	23.92	\$375.99*
Intel Core i7-6700TE @ 2.40GHz	8674	539	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9717	429	9.70	\$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13563	242	45.98	\$294.99
Intel Core i7-6820EQ @ 2.80GHz	8683	537	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9124	484	24.14	\$378.00*
Intel Core i7-6820HQ @ 2.70GHz	8767	528	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6501	757	NA	NA
Intel Core i7-6850K @ 3.60GHz	14370	211	32.74	\$439.00
Intel Core i7-6900K @ 3.20GHz	17612	129	23.17	\$760.00
Intel Core i7-6920HQ @ 2.90GHz	9550	443	16.81	\$568.00*
Intel Core i7-6950X @ 3.00GHz	19922	92	9.10	\$2,188.88
Intel Core i7-7500U @ 2.70GHz	5119	935	NA	NA
Intel Core i7-7560U @ 2.40GHz	5769	835	NA	NA
Intel Core i7-7567U @ 3.50GHz	6465	759	8.28	\$780.49
Intel Core i7-7600U @ 2.80GHz	5108	938	NA	NA

Intel Core i7-7660U @ 2.50GHz	5991	809	NA	NA
Intel Core i7-7700 @ 3.60GHz	10686	347	33.19	\$322.00
Intel Core i7-7700HQ @ 2.80GHz	8763	529	23.18	\$378.00*
Intel Core i7-7700K @ 4.20GHz	11990	295	26.65	\$449.95
Intel Core i7-7700T @ 2.90GHz	9318	467	23.95	\$389.00
Intel Core i7-7740X @ 4.30GHz	12204	290	31.71	\$384.90
Intel Core i7-7800X @ 3.50GHz	14654	204	28.73	\$509.99*
Intel Core i7-7820EQ @ 3.00GHz	9144	482	24.19	\$378.00*
Intel Core i7-7820HK @ 2.90GHz	9959	403	26.35	\$378.00*
Intel Core i7-7820HQ @ 2.90GHz	9259	473	24.49	\$378.00*
Intel Core i7-7820X @ 3.60GHz	18517	115	28.49	\$649.99
Intel Core i7-7900X @ 3.30GHz	20474	84	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	9991	397	17.59	\$568.00*
Intel Core i7-8086K @ 4.00GHz	16683	143	30.17	\$552.96*
Intel Core i7-8500Y @ 1.50GHz	3945	1176	10.04	\$393.00*
Intel Core i7-8550U @ 1.80GHz	8241	576	NA	NA
Intel Core i7-8557U @ 1.70GHz	10470	364	24.29	\$431.00*
Intel Core i7-8559U @ 2.70GHz	12207	289	17.32	\$705.00*
Intel Core i7-8565U @ 1.80GHz	8817	523	NA	NA
Intel Core i7-8650U @ 1.90GHz	8685	536	21.19	\$409.99*
Intel Core i7-8665U @ 1.90GHz	8646	541	21.14	\$409.00*
Intel Core i7-8665UE @ 1.70GHz	8731	532	21.35	\$409.00*
Intel Core i7-8700 @ 3.20GHz	15136	191	38.28	\$395.40
Intel Core i7-8700B @ 3.20GHz	14963	196	49.39	\$303.00*
Intel Core i7-8700K @ 3.70GHz	15935	169	39.84	\$399.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-8700T @ 2.40GHz	12613	273	28.73	\$439.00
Intel Core i7-8705G @ 3.10GHz	9894	407	7.02	\$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10539	355	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	423	NA	NA
Intel Core i7-8750H @ 2.20GHz	12392	278	31.37	\$395.00*

Intel Core i7-8809G @ 3.10GHz	10993	326	NA	NA
Intel Core i7-8850H @ 2.60GHz	12958	260	32.81	\$395.00*
Intel Core i7-9700 @ 3.00GHz	15963	168	40.61	\$393.13
Intel Core i7-9700F @ 3.00GHz	16493	148	44.00	\$374.85
Intel Core i7-9700K @ 3.60GHz	17213	133	43.03	\$399.99
Intel Core i7-9700KF @ 3.60GHz	16850	141	46.81	\$359.99*
Intel Core i7-9700T @ 2.00GHz	13332	249	41.28	\$323.00*
Intel Core i7-9700TE @ 1.80GHz	12688	271	39.28	\$323.00*
Intel Core i7-9750H @ 2.60GHz	13590	240	34.41	\$395.00*
Intel Core i7-9800X @ 3.80GHz	19790	96	34.72	\$569.98
Intel Core i7-9850H @ 2.60GHz	13779	232	34.88	\$395.00*
Intel Core i7-9850HL @ 1.90GHz	11340	310	28.71	\$395.00*
Intel Core i7-10510U @ 1.80GHz	9664	433	23.63	\$409.00*
Intel Core i7-10710U @ 1.10GHz	12334	281	27.84	\$443.00*
Intel Core i9-7900X @ 3.30GHz	21880	65	21.30	\$1,027.12*
Intel Core i9-7920X @ 2.90GHz	23290	55	17.30	\$1,346.25*
Intel Core i9-7940X @ 3.10GHz	25414	38	27.93	\$909.99*
Intel Core i9-7960X @ 2.80GHz	26030	32	19.28	\$1,349.99*
Intel Core i9-7980XE @ 2.60GHz	27680	26	19.09	\$1,449.99
Intel Core i9-8950HK @ 2.90GHz	14196	217	24.35	\$583.00*
Intel Core i9-9820X @ 3.30GHz	21102	77	32.58	\$647.79
Intel Core i9-9880H @ 2.30GHz	16423	150	29.54	\$556.00*
Intel Core i9-9900 @ 3.10GHz	18763	113	35.84	\$523.57
Intel Core i9-9900K @ 3.60GHz	20195	90	40.80	\$494.99
Intel Core i9-9900KF @ 3.60GHz	20375	87	42.55	\$478.89
Intel Core i9-9900KS @ 4.00GHz	21576	70	33.20	\$649.99
Intel Core i9-9900T @ 2.10GHz	15322	186	34.90	\$439.00*
Intel Core i9-9900X @ 3.50GHz	22990	57	28.35	\$811.08
Intel Core i9-9920X @ 3.50GHz	25123	43	22.04	\$1,139.99
Intel Core i9-9940X @ 3.30GHz	26911	28	22.93	\$1,173.70
Intel Core i9-9960X @ 3.10GHz	28487	21	20.79	\$1,369.95
Intel Core i9-9980HK @ 2.40GHz	17613	128	30.21	\$583.00*

Intel Core i9-9980XE @ 3.00GHz	29661	17	9.02	\$3,289.88
Intel Core i9-10920X @ 3.50GHz	26027	33	27.13	\$959.27*
Intel Core i9-10980XE @ 3.00GHz	31467	13	32.14	\$979.00*
Intel Core m3-6Y30 @ 0.90GHz	3025	1425	10.77	\$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3518	1280	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3391	1311	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3741	1223	13.32	\$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3340	1327	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3234	1354	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3461	1294	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2653	1551	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1652	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core M-5Y10c @ 0.80GHz	2823	1497	10.05	\$281.00*
Intel Core M-5Y31 @ 0.90GHz	2782	1512	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2486	1615	NA	NA
Intel Core M-5Y70 @ 1.10GHz	2912	1466	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2994	1436	10.66	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2727	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2720	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2638	NA	NA
Intel Core Solo U1300 @ 1.06GHz	270	2884	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2875	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2797	NA	NA
Intel E3000 @ 3.40GHz	2767	1515	NA	NA
Intel Pentium 4 1.40GHz	164	2983	NA	NA
Intel Pentium 4 1.50GHz	131	3000	NA	NA
Intel Pentium 4 1.60GHz	129	3001	NA	NA
Intel Pentium 4 1.70GHz	132	2999	NA	NA
Intel Pentium 4 1.80GHz	161	2986	NA	NA
Intel Pentium 4 1.90GHz	159	2987	NA	NA

Intel Pentium 4 2.00GHz	189	2964	NA	NA
Intel Pentium 4 2.20GHz	209	2945	NA	NA
Intel Pentium 4 2.26GHz	221	2934	NA	NA
Intel Pentium 4 2.40GHz	228	2928	NA	NA
Intel Pentium 4 2.50GHz	245	2912	NA	NA
Intel Pentium 4 2.53GHz	248	2908	NA	NA
Intel Pentium 4 2.60GHz	288	2854	NA	NA
Intel Pentium 4 2.66GHz	254	2900	NA	NA
Intel Pentium 4 2.80GHz	322	2803	NA	NA
Intel Pentium 4 2.93GHz	293	2845	NA	NA
Intel Pentium 4 3.00GHz	353	2774	NA	NA
Intel Pentium 4 3.06GHz	347	2777	NA	NA
Intel Pentium 4 3.20GHz	373	2748	NA	NA
Intel Pentium 4 3.40GHz	395	2722	NA	NA
Intel Pentium 4 3.46GHz	454	2656	NA	NA
Intel Pentium 4 3.60GHz	485	2623	NA	NA
Intel Pentium 4 3.73GHz	486	2620	NA	NA
Intel Pentium 4 3.80GHz	485	2622	NA	NA
Intel Pentium 4 3.83GHz	195	2958	NA	NA
Intel Pentium 4 4.00GHz	184	2969	NA	NA
Intel Pentium 4 1300MHz	119	3006	NA	NA
Intel Pentium 4 1400MHz	127	3003	NA	NA
Intel Pentium 4 1500MHz	125	3004	NA	NA
Intel Pentium 4 1600MHz	193	2963	0.30	\$647.45*
Intel Pentium 4 1700MHz	154	2990	NA	NA
Intel Pentium 4 1800MHz	162	2985	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2993	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2957	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2975	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2946	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2979	NA	NA
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price

	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Pentium 4 Mobile 1.90GHz	209	2944	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2953	NA	NA
Intel Pentium 5 2.66GHz	705	2497	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2282	8.18	\$134.00*
Intel Pentium 967 @ 1.30GHz	1140	2262	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2257	NA	NA
Intel Pentium 987 @ 1.50GHz	1223	2211	NA	NA
Intel Pentium 997 @ 1.60GHz	1395	2109	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1526	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1426	NA	NA
Intel Pentium 2020M @ 2.40GHz	2273	1695	16.97	\$134.00*
Intel Pentium 2030M @ 2.50GHz	2398	1647	17.90	\$134.00*
Intel Pentium 2117U @ 1.80GHz	1656	1993	12.36	\$134.00*
Intel Pentium 2127U @ 1.90GHz	1821	1903	13.59	\$134.00*
Intel Pentium 2129Y @ 1.10GHz	1062	2303	7.93	\$134.00*
Intel Pentium 3550M @ 2.30GHz	2266	1698	NA	NA
Intel Pentium 3556U @ 1.70GHz	1666	1983	NA	NA
Intel Pentium 3558U @ 1.70GHz	1665	1984	NA	NA
Intel Pentium 3560M @ 2.40GHz	2269	1697	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	2188	NA	NA
Intel Pentium 3805U @ 1.90GHz	1967	1825	NA	NA
Intel Pentium 3825U @ 1.90GHz	2508	1605	NA	NA
Intel Pentium 4405U @ 2.10GHz	2930	1458	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1785	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2050	1788	12.73	\$161.00*
Intel Pentium 4415U @ 2.30GHz	3148	1388	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2223	1720	13.81	\$161.00*
Intel Pentium 4417U @ 2.30GHz	3190	1369	19.82	\$161.00*
Intel Pentium 5405U @ 2.30GHz	3172	1375	19.70	\$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	2018	NA	NA
Intel Pentium B940 @ 2.00GHz	1726	1942	57.66	\$29.94*

Intel Pentium B950 @ 2.10GHz	1714	1950	NA	NA
Intel Pentium B960 @ 2.20GHz	1852	1885	37.81	\$48.99*
Intel Pentium B970 @ 2.30GHz	1951	1835	38.27	\$50.99*
Intel Pentium B980 @ 2.40GHz	2019	1802	28.88	\$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1204	29.56	\$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2586	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2529	NA	NA
Intel Pentium D 915 @ 2.80GHz	584	2557	NA	NA
Intel Pentium D 940 @ 3.20GHz	710	2494	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2482	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2453	NA	NA
Intel Pentium E2140 @ 1.60GHz	870	2418	18.83	\$46.25
Intel Pentium E2160 @ 1.80GHz	997	2343	64.33	\$15.51
Intel Pentium E2180 @ 2.00GHz	1088	2288	36.29	\$29.99*
Intel Pentium E2200 @ 2.20GHz	1202	2224	16.03	\$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2238	NA	NA
Intel Pentium E2220 @ 2.40GHz	1330	2145	15.48	\$85.99*
Intel Pentium E5200 @ 2.50GHz	1486	2073	24.77	\$60.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium E5300 @ 2.60GHz	1540	2043	67.02	\$22.99
Intel Pentium E5400 @ 2.70GHz	1597	2023	89.95	\$17.76
Intel Pentium E5500 @ 2.80GHz	1637	2000	62.99	\$25.99*
Intel Pentium E5700 @ 3.00GHz	1737	1938	115.94	\$14.99*
Intel Pentium E5800 @ 3.20GHz	1887	1869	83.87	\$22.50
Intel Pentium E6300 @ 2.80GHz	1705	1958	165.55	\$10.30*
Intel Pentium E6500 @ 2.93GHz	1765	1923	11.18	\$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1882	18.62	\$100.00*
Intel Pentium E6700 @ 3.20GHz	1932	1844	64.43	\$29.99
Intel Pentium E6800 @ 3.33GHz	1974	1819	22.19	\$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2406	29.21	\$31.23*
Intel Pentium Extreme Edition 965 @	961	2366	NA	NA

<u>3.73GHz</u>				
<u>Intel Pentium G620 @ 2.60GHz</u>	2285	1687	38.10	\$59.99
<u>Intel Pentium G620T @ 2.20GHz</u>	2033	1793	25.42	\$79.99*
<u>Intel Pentium G630 @ 2.70GHz</u>	2369	1658	23.69	\$100.00*
<u>Intel Pentium G630T @ 2.30GHz</u>	2086	1768	26.09	\$79.99*
<u>Intel Pentium G640 @ 2.80GHz</u>	2520	1599	63.01	\$40.00
<u>Intel Pentium G640T @ 2.40GHz</u>	1979	1816	NA	NA
<u>Intel Pentium G645 @ 2.90GHz</u>	2586	1572	64.66	\$40.00
<u>Intel Pentium G645T @ 2.50GHz</u>	2227	1714	NA	NA
<u>Intel Pentium G840 @ 2.80GHz</u>	2560	1584	73.19	\$34.99*
<u>Intel Pentium G850 @ 2.90GHz</u>	2657	1549	88.95	\$29.88
<u>Intel Pentium G860 @ 3.00GHz</u>	2735	1530	32.96	\$82.99
<u>Intel Pentium G870 @ 3.10GHz</u>	2785	1510	28.72	\$97.00*
<u>Intel Pentium G2010 @ 2.80GHz</u>	2594	1569	51.89	\$50.00*
<u>Intel Pentium G2020 @ 2.90GHz</u>	2753	1523	45.93	\$59.95*
<u>Intel Pentium G2020T @ 2.50GHz</u>	2418	1637	50.81	\$47.60*
<u>Intel Pentium G2030 @ 3.00GHz</u>	2866	1485	59.73	\$48.00
<u>Intel Pentium G2030T @ 2.60GHz</u>	2496	1612	39.01	\$64.00*
<u>Intel Pentium G2100T @ 2.60GHz</u>	2763	1520	NA	NA
<u>Intel Pentium G2120 @ 3.10GHz</u>	3079	1411	19.30	\$159.55*
<u>Intel Pentium G2130 @ 3.20GHz</u>	3200	1364	64.02	\$49.99*
<u>Intel Pentium G2140 @ 3.30GHz</u>	3377	1315	41.41	\$81.56
<u>Intel Pentium G3220 @ 3.00GHz</u>	3124	1394	32.58	\$95.93
<u>Intel Pentium G3220T @ 2.60GHz</u>	2560	1585	40.65	\$62.98*
<u>Intel Pentium G3240 @ 3.10GHz</u>	3152	1385	63.06	\$49.99
<u>Intel Pentium G3240T @ 2.70GHz</u>	2840	1489	NA	NA
<u>Intel Pentium G3250 @ 3.20GHz</u>	3241	1353	13.92	\$232.84*
<u>Intel Pentium G3250T @ 2.80GHz</u>	2969	1447	33.00	\$89.99*
<u>Intel Pentium G3258 @ 3.20GHz</u>	3863	1188	35.13	\$109.99
<u>Intel Pentium G3260 @ 3.30GHz</u>	3357	1319	23.98	\$139.99*
<u>Intel Pentium G3260T @ 2.90GHz</u>	2930	1459	32.56	\$89.99*
<u>Intel Pentium G3320TE @ 2.30GHz</u>	2389	1649	NA	NA

Intel Pentium G3420 @ 3.20GHz	3393	1308	42.61	\$79.65
Intel Pentium G3420T @ 2.70GHz	3008	1429	18.80	\$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1307	37.74	\$89.99*
Intel Pentium G3440 @ 3.30GHz	3319	1331	20.75	\$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1402	NA	NA
Intel Pentium G3450 @ 3.40GHz	3696	1237	36.97	\$99.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G3450T @ 2.90GHz	2967	1448	NA	NA
Intel Pentium G3460 @ 3.50GHz	3587	1261	12.45	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3714	1232	35.62	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3531	1273	44.42	\$79.50
Intel Pentium G4400T @ 2.90GHz	3168	1376	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1483	45.09	\$64.00*
Intel Pentium G4500 @ 3.50GHz	3792	1206	42.61	\$89.00
Intel Pentium G4500T @ 3.00GHz	3471	1292	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	1128	38.05	\$109.99*
Intel Pentium G4560 @ 3.50GHz	4860	991	43.94	\$110.62*
Intel Pentium G4560T @ 2.90GHz	3990	1160	36.28	\$109.99*
Intel Pentium G4600 @ 3.60GHz	5070	942	21.13	\$239.95
Intel Pentium G4600T @ 3.00GHz	4266	1111	24.06	\$177.28*
Intel Pentium G4620 @ 3.70GHz	5215	921	45.89	\$113.66*
Intel Pentium G6950 @ 2.80GHz	1855	1883	46.41	\$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1749	22.72	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2043	1790	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5227	919	80.44	\$64.99
Intel Pentium Gold G5400T @ 3.10GHz	4884	985	76.31	\$64.00*
Intel Pentium Gold G5420 @ 3.80GHz	5403	890	61.44	\$87.95
Intel Pentium Gold G5420T @ 3.20GHz	5156	931	80.57	\$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	924	30.58	\$169.90*
Intel Pentium Gold G5500T @ 3.20GHz	4346	1094	57.95	\$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5570	863	53.06	\$104.98

<u>Intel Pentium Gold G5600F @ 3.90GHz</u>	5736	842	NA	NA
<u>Intel Pentium Gold G5620 @ 4.00GHz</u>	5655	850	<u>33.84</u>	<u>\$167.13</u>
<u>Intel Pentium III 933S @ 933MHz</u>	238	2920	NA	NA
<u>Intel Pentium III 1133 @ 1133MHz</u>	284	2858	NA	NA
<u>Intel Pentium III 1200 @ 1200MHz</u>	278	2874	NA	NA
<u>Intel Pentium III 1266S @ 1266MHz</u>	309	2819	NA	NA
<u>Intel Pentium III 1400 @ 1400MHz</u>	297	2838	NA	NA
<u>Intel Pentium III 1400S @ 1400MHz</u>	299	2835	NA	NA
<u>Intel Pentium III Mobile 750MHz</u>	103	3008	NA	NA
<u>Intel Pentium III Mobile 800MHz</u>	182	2972	NA	NA
<u>Intel Pentium III Mobile 866MHz</u>	152	2991	NA	NA
<u>Intel Pentium III Mobile 933MHz</u>	218	2935	<u>7.55</u>	<u>\$28.99*</u>
<u>Intel Pentium III Mobile 1000MHz</u>	245	2911	NA	NA
<u>Intel Pentium III Mobile 1066MHz</u>	246	2910	NA	NA
<u>Intel Pentium III Mobile 1133MHz</u>	251	2904	NA	NA
<u>Intel Pentium III Mobile 1200MHz</u>	240	2918	NA	NA
<u>Intel Pentium J2850 @ 2.41GHz</u>	1775	1919	NA	NA
<u>Intel Pentium J2900 @ 2.41GHz</u>	1974	1820	NA	NA
<u>Intel Pentium J3710 @ 1.60GHz</u>	1915	1854	NA	NA
<u>Intel Pentium J4205 @ 1.50GHz</u>	2262	1699	NA	NA
<u>Intel Pentium M 1.10GHz</u>	282	2864	NA	NA
<u>Intel Pentium M 1.20GHz</u>	298	2836	NA	NA
<u>Intel Pentium M 1.30GHz</u>	301	2829	NA	NA
<u>Intel Pentium M 1.40GHz</u>	345	2781	NA	NA
<u>Intel Pentium M 1.50GHz</u>	366	2758	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>Intel Pentium M 1.60GHz</u>	364	2763	NA	NA
<u>Intel Pentium M 1.70GHz</u>	406	2706	NA	NA
<u>Intel Pentium M 1.73GHz</u>	412	2698	NA	NA
<u>Intel Pentium M 1.80GHz</u>	411	2699	NA	NA
<u>Intel Pentium M 1.86GHz</u>	438	2673	NA	NA

<u>Intel Pentium M 2.00GHz</u>	461	2648	NA	NA
<u>Intel Pentium M 2.10GHz</u>	448	2661	NA	NA
<u>Intel Pentium M 2.13GHz</u>	499	2611	NA	NA
<u>Intel Pentium M 2.26GHz</u>	509	2603	NA	NA
<u>Intel Pentium M 756 @ 1.66GHz</u>	484	2628	NA	NA
<u>Intel Pentium M 900MHz</u>	217	2939	NA	NA
<u>Intel Pentium M 1000MHz</u>	233	2924	NA	NA
<u>Intel Pentium M 1100MHz</u>	259	2896	NA	NA
<u>Intel Pentium M 1200MHz</u>	237	2921	NA	NA
<u>Intel Pentium M 1300MHz</u>	303	2823	NA	NA
<u>Intel Pentium M 1400MHz</u>	320	2805	NA	NA
<u>Intel Pentium M 1500MHz</u>	354	2771	NA	NA
<u>Intel Pentium M 1600MHz</u>	335	2790	NA	NA
<u>Intel Pentium M 1700MHz</u>	376	2743	NA	NA
<u>Intel Pentium N3510 @ 1.99GHz</u>	1519	2052	NA	NA
<u>Intel Pentium N3520 @ 2.16GHz</u>	1803	1907	NA	NA
<u>Intel Pentium N3530 @ 2.16GHz</u>	1911	1855	NA	NA
<u>Intel Pentium N3540 @ 2.16GHz</u>	1933	1842	<u>7.71</u>	<u>\$250.87*</u>
<u>Intel Pentium N3700 @ 1.60GHz</u>	1833	1894	<u>4.12</u>	<u>\$444.78*</u>
<u>Intel Pentium N3710 @ 1.60GHz</u>	1864	1880	NA	NA
<u>Intel Pentium N4200 @ 1.10GHz</u>	2031	1795	<u>8.68</u>	<u>\$233.98*</u>
<u>Intel Pentium P6000 @ 1.87GHz</u>	1243	2203	NA	NA
<u>Intel Pentium P6100 @ 2.00GHz</u>	1327	2147	<u>46.67</u>	<u>\$28.44*</u>
<u>Intel Pentium P6200 @ 2.13GHz</u>	1351	2134	<u>30.06</u>	<u>\$44.95*</u>
<u>Intel Pentium P6300 @ 2.27GHz</u>	1372	2122	NA	NA
<u>Intel Pentium Silver J5005 @ 1.50GHz</u>	2905	1470	<u>13.40</u>	<u>\$216.88</u>
<u>Intel Pentium Silver N5000 @ 1.10GHz</u>	2450	1625	<u>15.22</u>	<u>\$161.00*</u>
<u>Intel Pentium SU2700 @ 1.30GHz</u>	405	2708	NA	NA
<u>Intel Pentium SU4100 @ 1.30GHz</u>	853	2431	NA	NA
<u>Intel Pentium T1080 @ 1.73GHz</u>	842	2435	NA	NA
<u>Intel Pentium T2060 @ 1.60GHz</u>	663	2518	NA	NA
<u>Intel Pentium T2080 @ 1.73GHz</u>	706	2496	<u>4.41</u>	<u>\$159.95*</u>

Intel Pentium T2130 @ 1.86GHz	706	2495	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2485	NA	NA
Intel Pentium T2330 @ 1.60GHz	827	2442	NA	NA
Intel Pentium T2370 @ 1.73GHz	848	2433	24.25	\$35.00*
Intel Pentium T2390 @ 1.86GHz	947	2383	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2355	NA	NA
Intel Pentium T3200 @ 2.00GHz	1032	2316	86.07	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1115	2269	12.40	\$89.95*
Intel Pentium T4200 @ 2.00GHz	1152	2254	96.01	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1232	2207	NA	NA
Intel Pentium T4400 @ 2.20GHz	1281	2177	NA	NA
Intel Pentium T4500 @ 2.30GHz	1332	2143	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium U5400 @ 1.20GHz	814	2448	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2377	NA	NA
Intel T1200 @ 1.50GHz	435	2679	NA	NA
Intel T1400 @ 1.73GHz	929	2393	NA	NA
Intel T1500 @ 1.86GHz	953	2375	NA	NA
Intel T2050 @ 2.00GHz	959	2370	NA	NA
Intel Xeon 2.00GHz	233	2923	NA	NA
Intel XEON 2.20GHz	252	2902	NA	NA
Intel Xeon 2.40GHz	276	2877	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2678	NA	NA
Intel Xeon 2.80GHz	400	2718	NA	NA
Intel Xeon 3.00GHz	391	2731	NA	NA
Intel Xeon 3.06GHz	491	2615	NA	NA
Intel Xeon 3.20GHz	461	2649	NA	NA
Intel Xeon 3.40GHz	478	2631	NA	NA
Intel Xeon 3.60GHz	509	2602	0.60	\$851.00*
Intel Xeon 3.73GHz	1041	2312	NA	NA
Intel Xeon 3.80GHz	604	2546	0.71	\$851.00*

Intel Xeon 1500MHz	193	2962	NA	NA
Intel Xeon 3040 @ 1.86GHz	1278	2179	51.05	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2160	8.23	\$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	2053	66.07	\$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	2051	72.77	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1917	4.36	\$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1891	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1772	1921	NA	NA
Intel Xeon 5110 @ 1.60GHz	1084	2291	30.99	\$35.00*
Intel Xeon 5120 @ 1.86GHz	1248	2202	0.77	\$1,619.99*
Intel Xeon 5130 @ 2.00GHz	1366	2124	27.90	\$48.99*
Intel Xeon 5133 @ 2.20GHz	1598	2022	NA	NA
Intel Xeon 5140 @ 2.33GHz	1636	2001	65.49	\$24.99*
Intel Xeon 5148 @ 2.33GHz	1590	2027	121.17	\$13.13*
Intel Xeon 5150 @ 2.66GHz	1740	1935	12.44	\$139.95*
Intel Xeon 5160 @ 3.00GHz	1956	1830	39.13	\$49.99*
Intel Xeon @ 2.00GHz	11327	312	NA	NA
Intel Xeon @ 2.20GHz	1902	1859	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5685	846	24.51	\$232.00
Intel Xeon Bronze 3106 @ 1.70GHz	6791	724	19.06	\$356.27*
Intel Xeon D-1518 @ 2.20GHz	5322	910	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	839	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	707	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	578	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9643	436	27.71	\$348.00*
Intel Xeon D-1537 @ 1.70GHz	8445	559	14.79	\$571.00*
Intel Xeon D-1539 @ 1.60GHz	8443	560	17.37	\$486.00*
Intel Xeon D-1540 @ 2.00GHz	10740	344	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11083	321	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	348	19.24	\$555.00*
Intel Xeon D-1557 @ 1.50GHz	10950	331	15.78	\$694.00*
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price

	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Xeon D-1559 @ 1.50GHz	8055	595	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	208	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	221	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8150	585	38.26	\$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	264	23.13	\$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	229	24.41	\$566.00*
Intel Xeon D-2146NT @ 2.30GHz	10968	330	17.11	\$641.00*
Intel Xeon D-2183IT @ 2.20GHz	19381	107	10.99	\$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6259	778	133.18	\$47.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6739	733	124.84	\$53.99
Intel Xeon E3-1220 v3 @ 3.10GHz	7186	692	53.24	\$134.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7774	634	29.18	\$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7752	636	33.28	\$232.99
Intel Xeon E3-1220L @ 2.20GHz	3606	1253	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	1079	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2070	1777	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	6103	797	103.47	\$58.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6987	705	107.52	\$64.99
Intel Xeon E3-1225 v3 @ 3.20GHz	7256	684	53.36	\$135.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7833	625	29.22	\$268.04*
Intel Xeon E3-1225 v6 @ 3.30GHz	7958	614	34.04	\$233.80
Intel Xeon E3-1226 v3 @ 3.30GHz	7590	651	12.76	\$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7852	622	84.45	\$92.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8872	519	113.74	\$78.00
Intel Xeon E3-1230 v3 @ 3.30GHz	9328	464	29.06	\$320.99
Intel Xeon E3-1230 v5 @ 3.40GHz	9761	426	28.58	\$341.53
Intel Xeon E3-1230 v6 @ 3.50GHz	9802	418	35.13	\$279.00
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	687	25.12	\$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9634	437	18.89	\$509.95
Intel Xeon E3-1235 @ 3.20GHz	7759	635	31.80	\$244.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	760	NA	NA

Intel Xeon E3-1240 @ 3.30GHz	7980	612	93.89	\$84.99
Intel Xeon E3-1240 V2 @ 3.40GHz	9154	481	85.56	\$106.99
Intel Xeon E3-1240 v3 @ 3.40GHz	9682	431	25.19	\$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10322	369	30.21	\$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10487	363	36.40	\$288.10
Intel Xeon E3-1240L v3 @ 2.00GHz	7486	659	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7746	637	27.87	\$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10025	392	27.10	\$369.99
Intel Xeon E3-1245 @ 3.30GHz	8040	596	86.46	\$92.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9133	483	73.66	\$123.99
Intel Xeon E3-1245 v3 @ 3.40GHz	9590	440	31.04	\$309.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10175	381	29.47	\$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10550	354	22.27	\$473.69
Intel Xeon E3-1246 v3 @ 3.50GHz	9866	411	24.12	\$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6240	779	108.89	\$57.31
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	378	13.88	\$736.16*
Intel Xeon E3-1265L @ 2.40GHz	5961	812	6.49	\$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7479	662	50.54	\$148.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1265L v3 @ 2.50GHz	9204	479	12.97	\$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	491	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	623	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	534	19.05	\$456.54*
Intel Xeon E3-1270 @ 3.40GHz	8248	575	26.19	\$315.00*
Intel Xeon E3-1270 V2 @ 3.50GHz	9476	448	49.88	\$189.99
Intel Xeon E3-1270 v3 @ 3.50GHz	9924	404	49.62	\$199.99
Intel Xeon E3-1270 v5 @ 3.60GHz	10279	373	23.58	\$435.98
Intel Xeon E3-1270 v6 @ 3.80GHz	11171	317	31.92	\$349.99
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	346	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10118	384	11.40	\$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8111	590	26.68	\$304.00

Intel Xeon E3-1275 V2 @ 3.50GHz	9424	456	23.88	\$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	10048	390	25.06	\$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10353	368	27.28	\$379.52*
Intel Xeon E3-1275 v6 @ 3.80GHz	11028	323	30.38	\$362.95
Intel Xeon E3-1275L v3 @ 2.70GHz	8896	515	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10241	376	9.54	\$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8420	562	25.35	\$332.20
Intel Xeon E3-1280 V2 @ 3.60GHz	9456	453	26.27	\$360.00
Intel Xeon E3-1280 v3 @ 3.60GHz	9784	421	21.79	\$449.00*
Intel Xeon E3-1280 v5 @ 3.70GHz	10620	351	15.39	\$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11041	322	19.15	\$576.53
Intel Xeon E3-1281 v3 @ 3.70GHz	10031	391	11.43	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10503	362	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	361	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11992	294	21.69	\$552.92
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	400	12.35	\$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10970	329	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	406	11.80	\$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	446	12.27	\$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8768	527	9.91	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9654	435	10.91	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	771	NA	NA
Intel Xeon E3-1505L v6 @ 2.20GHz	7887	618	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8965	503	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9675	432	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10016	394	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9323	466	14.97	\$623.00*
Intel Xeon E3-1535M v6 @ 3.10GHz	10531	357	16.90	\$623.00*
Intel Xeon E3-1545M v5 @ 2.90GHz	10283	372	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10616	352	8.80	\$1,207.00*
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	340	19.42	\$556.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10248	375	23.03	\$445.00*

Intel Xeon E5-1410 @ 2.80GHz	7265	683	161.50	\$44.99
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	666	NA	NA
Intel Xeon E5-1428L v2 @ 2.20GHz	8679	538	17.57	\$494.00*
Intel Xeon E5-1603 @ 2.80GHz	5580	862	279.43	\$19.97*
Intel Xeon E5-1603 v3 @ 2.80GHz	6224	782	62.25	\$99.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1603 v4 @ 2.80GHz	6454	762	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5873	821	210.16	\$27.95*
Intel Xeon E5-1607 v2 @ 3.00GHz	6223	783	178.06	\$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	7029	702	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7270	682	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9071	489	27.49	\$329.93*
Intel Xeon E5-1620 v2 @ 3.70GHz	9501	445	206.55	\$46.00
Intel Xeon E5-1620 v3 @ 3.50GHz	9750	427	76.25	\$127.88*
Intel Xeon E5-1620 v4 @ 3.50GHz	9899	405	27.60	\$358.73
Intel Xeon E5-1630 v3 @ 3.70GHz	10228	377	21.40	\$477.99*
Intel Xeon E5-1630 v4 @ 3.70GHz	10299	371	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11735	301	23.71	\$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12760	267	117.13	\$108.95*
Intel Xeon E5-1650 v3 @ 3.50GHz	13631	238	104.87	\$129.99
Intel Xeon E5-1650 v4 @ 3.60GHz	14197	216	27.95	\$508.00*
Intel Xeon E5-1660 @ 3.30GHz	12210	288	9.95	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13919	224	49.36	\$281.99*
Intel Xeon E5-1660 v3 @ 3.00GHz	14656	203	35.84	\$408.95
Intel Xeon E5-1660 v4 @ 3.20GHz	16208	158	13.18	\$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16171	159	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16317	154	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17063	137	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	121	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1277	73.80	\$47.75*
Intel Xeon E5-2403 v2 @ 1.80GHz	3590	1260	161.73	\$22.20*

Intel Xeon E5-2407 @ 2.20GHz	4188	1126	49.32	\$84.92*
Intel Xeon E5-2407 v2 @ 2.40GHz	4810	999	13.37	\$359.95*
Intel Xeon E5-2418L @ 2.00GHz	5202	923	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7063	700	18.11	\$390.02*
Intel Xeon E5-2420 v2 @ 2.20GHz	8822	522	93.38	\$94.48
Intel Xeon E5-2430 @ 2.20GHz	7695	641	25.23	\$304.99*
Intel Xeon E5-2430 v2 @ 2.50GHz	9061	490	16.18	\$559.99
Intel Xeon E5-2430L @ 2.00GHz	7834	624	242.71	\$32.28*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	747	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9221	477	230.59	\$39.99
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	469	18.22	\$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	509	6.29	\$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10387	365	173.21	\$59.97*
Intel Xeon E5-2450L @ 1.80GHz	8261	574	63.55	\$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10982	327	85.80	\$128.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	11268	316	50.76	\$222.00
Intel Xeon E5-2603 @ 1.80GHz	3591	1259	75.05	\$47.85*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1213	39.86	\$94.48*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	927	77.05	\$67.23
Intel Xeon E5-2603 v4 @ 1.70GHz	5524	872	21.25	\$260.00*
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	621	17.82	\$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4624	1033	46.27	\$99.95
Intel Xeon E5-2609 v2 @ 2.50GHz	5179	928	167.12	\$30.99*
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	817	55.66	\$106.03*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2609 v4 @ 1.70GHz	6925	716	19.25	\$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	291	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	206	18.71	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7900	616	92.03	\$85.85*
Intel Xeon E5-2620 v2 @ 2.10GHz	8625	543	221.18	\$39.00
Intel Xeon E5-2620 v3 @ 2.40GHz	9980	401	112.14	\$89.00

Intel Xeon E5-2620 v4 @ 2.10GHz	11324	313	29.11	\$389.00
Intel Xeon E5-2623 v3 @ 3.00GHz	8987	500	13.85	\$649.00*
Intel Xeon E5-2623 v4 @ 2.60GHz	8643	542	15.74	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	458	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	283	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	256	9.61	\$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	324	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8910	511	223.10	\$39.94*
Intel Xeon E5-2630 v2 @ 2.60GHz	10378	366	236.20	\$43.94
Intel Xeon E5-2630 v3 @ 2.40GHz	12797	265	139.12	\$91.99
Intel Xeon E5-2630 v4 @ 2.20GHz	13902	226	24.87	\$559.00*
Intel Xeon E5-2630L @ 2.00GHz	8080	592	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	487	250.09	\$36.34
Intel Xeon E5-2630L v3 @ 1.80GHz	9839	415	20.50	\$479.90
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	263	NA	NA
Intel Xeon E5-2637 @ 3.00GHz	4508	1059	5.09	\$885.00*
Intel Xeon E5-2637 v2 @ 3.50GHz	9262	472	132.34	\$69.99
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	385	80.96	\$124.98
Intel Xeon E5-2637 v4 @ 3.50GHz	10512	360	8.84	\$1,188.65*
Intel Xeon E5-2640 @ 2.50GHz	9419	457	98.22	\$95.90
Intel Xeon E5-2640 v2 @ 2.00GHz	10213	379	256.96	\$39.75
Intel Xeon E5-2640 v3 @ 2.60GHz	13806	230	102.27	\$135.00*
Intel Xeon E5-2640 v4 @ 2.40GHz	15420	184	16.76	\$920.27*
Intel Xeon E5-2643 @ 3.30GHz	8453	557	143.36	\$58.97*
Intel Xeon E5-2643 v2 @ 3.50GHz	13121	254	103.82	\$126.39
Intel Xeon E5-2643 v3 @ 3.40GHz	13887	227	55.55	\$250.00
Intel Xeon E5-2643 v4 @ 3.40GHz	13475	246	7.48	\$1,801.96*
Intel Xeon E5-2648L @ 1.80GHz	6698	740	NA	NA
Intel Xeon E5-2648L v2 @ 1.90GHz	11381	309	7.70	\$1,479.00*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	308	7.30	\$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	236	NA	NA
	14677	202	NA	NA

Intel Xeon E5-2649 v3 @ 2.30GHz				
Intel Xeon E5-2650 @ 2.00GHz	10257	374	150.84	\$68.00
Intel Xeon E5-2650 v2 @ 2.60GHz	13190	252	71.04	\$185.68
Intel Xeon E5-2650 v3 @ 2.30GHz	14883	199	129.42	\$115.00
Intel Xeon E5-2650 v4 @ 2.20GHz	15587	180	15.45	\$1,009.00*
Intel Xeon E5-2650L @ 1.80GHz	8483	556	113.11	\$75.00
Intel Xeon E5-2650L v2 @ 1.70GHz	9880	409	131.74	\$75.00*
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	243	58.19	\$232.22
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	220	9.42	\$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	314	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9632	439	6.59	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13874	228	77.09	\$179.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	156	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	17275	132	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11279	315	119.18	\$94.64
Intel Xeon E5-2660 v2 @ 2.20GHz	13161	253	61.82	\$212.89*
Intel Xeon E5-2660 v3 @ 2.60GHz	16665	146	52.09	\$319.95*
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	140	11.25	\$1,499.99*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	222	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11744	300	114.73	\$102.37*
Intel Xeon E5-2667 @ 2.90GHz	10693	345	227.51	\$47.00
Intel Xeon E5-2667 v2 @ 3.30GHz	16165	160	85.08	\$189.99
Intel Xeon E5-2667 v3 @ 3.20GHz	16022	164	51.85	\$309.00
Intel Xeon E5-2667 v4 @ 3.20GHz	16631	147	8.53	\$1,949.03*
Intel Xeon E5-2670 @ 2.60GHz	12373	279	93.51	\$132.32
Intel Xeon E5-2670 v2 @ 2.50GHz	15026	193	71.90	\$209.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16778	142	112.61	\$149.00
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	153	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16293	157	23.28	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21300	74	NA	NA

Intel Xeon E5-2675 v3 @ 1.80GHz	15137	190	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17608	130	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	17084	136	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	40	9.35	\$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12889	261	203.73	\$63.27
Intel Xeon E5-2680 v2 @ 2.80GHz	15889	172	93.44	\$170.05
Intel Xeon E5-2680 v3 @ 2.50GHz	18430	118	87.77	\$209.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19775	97	13.10	\$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	85	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17325	131	33.97	\$509.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	18863	112	8.54	\$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	194	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	108	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	95	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14328	214	69.22	\$207.00*
Intel Xeon E5-2687W v2 @ 3.40GHz	16343	152	48.79	\$335.00*
Intel Xeon E5-2687W v3 @ 3.10GHz	17795	125	29.22	\$608.99
Intel Xeon E5-2687W v4 @ 3.00GHz	19863	93	9.13	\$2,174.99*
Intel Xeon E5-2689 @ 2.60GHz	13324	250	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	99	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13742	233	151.48	\$90.72
Intel Xeon E5-2690 v2 @ 3.00GHz	16375	151	75.84	\$215.93
Intel Xeon E5-2690 v3 @ 2.60GHz	18942	111	84.19	\$225.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21167	76	9.75	\$2,169.99*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	165	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	16041	162	61.94	\$258.99
Intel Xeon E5-2695 v3 @ 2.30GHz	19710	101	40.23	\$489.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	88	3.49	\$5,808.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	16920	139	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22172	61	8.88	\$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	75	7.05	\$3,009.95*
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price

	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Xeon E5-2697 v2 @ 2.70GHz	17170	134	69.52	\$247.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21425	73	43.73	\$490.00
Intel Xeon E5-2697 v4 @ 2.30GHz	21435	72	7.02	\$3,054.99*
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	59	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21042	78	34.55	\$609.00*
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	68	6.02	\$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22340	60	18.48	\$1,209.00*
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	54	5.53	\$4,239.00
Intel Xeon E5-2699A v4 @ 2.40GHz	22948	58	4.65	\$4,938.00*
Intel Xeon E5-4603 @ 2.00GHz	5014	961	89.27	\$56.17*
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	476	NA	NA
Intel Xeon E5-4610 @ 2.40GHz	9552	442	7.81	\$1,223.00*
Intel Xeon E5-4610 v3 @ 1.70GHz	8853	520	7.26	\$1,219.00*
Intel Xeon E5-4617 @ 2.90GHz	9313	468	103.59	\$89.90*
Intel Xeon E5-4620 @ 2.20GHz	9248	474	68.91	\$134.21*
Intel Xeon E5-4627 v2 @ 3.30GHz	12511	276	24.58	\$508.95*
Intel Xeon E5-4627 v3 @ 2.60GHz	14615	205	6.09	\$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	182	6.97	\$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10807	339	3.96	\$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	269	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	320	NA	NA
Intel Xeon E5-4650 @ 2.70GHz	11685	305	166.96	\$69.99*
Intel Xeon E5-4650L @ 2.60GHz	12145	292	161.98	\$74.98*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	285	2.66	\$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	171	11.36	\$1,399.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	173	3.30	\$4,800.00*
Intel Xeon E5-4669 v3 @ 2.10GHz	19615	105	3.63	\$5,400.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	239	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1397	1.75	\$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2159	1742	93.93	\$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1634	247.99	\$9.79*

Intel Xeon E3120 @ 3.16GHz	2241	1709	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	2106	98.21	\$14.27
Intel Xeon E5240 @ 3.00GHz	2424	1635	27.31	\$88.78*
Intel Xeon E5310 @ 1.60GHz	2214	1722	45.19	\$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1685	59.05	\$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1604	141.45	\$17.77*
Intel Xeon E5345 @ 2.33GHz	2886	1482	72.17	\$39.99*
Intel Xeon E5405 @ 2.00GHz	2835	1492	70.97	\$39.95*
Intel Xeon E5410 @ 2.33GHz	3261	1344	15.61	\$208.95*
Intel Xeon E5420 @ 2.50GHz	3476	1290	55.23	\$62.95*
Intel Xeon E5430 @ 2.66GHz	3750	1220	24.20	\$154.95*
Intel Xeon E5440 @ 2.83GHz	3956	1169	39.96	\$99.00*
Intel Xeon E5450 @ 3.00GHz	4179	1129	13.98	\$298.94*
Intel Xeon E5462 @ 2.80GHz	3872	1186	141.84	\$27.30*
Intel Xeon E5472 @ 3.00GHz	4083	1146	135.93	\$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	2120	14.51	\$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	2118	4.81	\$287.01*
Intel Xeon E5504 @ 2.00GHz	2673	1546	38.21	\$69.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5506 @ 2.13GHz	2975	1443	47.22	\$63.01*
Intel Xeon E5507 @ 2.27GHz	3125	1393	6.84	\$456.91*
Intel Xeon E5520 @ 2.27GHz	4376	1088	90.22	\$48.51*
Intel Xeon E5530 @ 2.40GHz	4494	1065	345.72	\$13.00*
Intel Xeon E5540 @ 2.53GHz	4747	1013	80.46	\$59.00*
Intel Xeon E5603 @ 1.60GHz	2364	1661	18.32	\$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1419	18.29	\$167.00*
Intel Xeon E5607 @ 2.27GHz	3371	1317	48.71	\$69.21*
Intel Xeon E5620 @ 2.40GHz	4769	1008	80.85	\$58.99*
Intel Xeon E5630 @ 2.53GHz	5055	947	144.43	\$35.00*
Intel Xeon E5640 @ 2.67GHz	5250	915	187.60	\$27.99*
Intel Xeon E5645 @ 2.40GHz	6422	766	78.99	\$81.31*

Intel Xeon E5649 @ 2.53GHz	6869	719	66.01	\$104.07*
Intel Xeon E7320 @ 2.13GHz	2413	1638	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	626	40.54	\$193.00*
Intel Xeon E-2124 @ 3.30GHz	9363	460	42.57	\$219.99*
Intel Xeon E-2124G @ 3.40GHz	9891	408	35.52	\$278.45
Intel Xeon E-2126G @ 3.30GHz	13650	237	45.50	\$299.99*
Intel Xeon E-2134 @ 3.50GHz	10882	335	37.92	\$286.99
Intel Xeon E-2136 @ 3.30GHz	15793	175	49.29	\$320.41
Intel Xeon E-2144G @ 3.60GHz	11532	307	36.44	\$316.51
Intel Xeon E-2146G @ 3.50GHz	15591	179	43.92	\$354.99*
Intel Xeon E-2174G @ 3.80GHz	12278	286	29.89	\$410.86*
Intel Xeon E-2176G @ 3.70GHz	15592	178	36.35	\$429.00
Intel Xeon E-2176M @ 2.70GHz	13569	241	30.15	\$450.00*
Intel Xeon E-2186G @ 3.80GHz	15838	174	30.17	\$524.99*
Intel Xeon E-2186M @ 2.90GHz	14523	207	23.31	\$623.00*
Intel Xeon E-2224 @ 3.40GHz	10096	387	50.99	\$198.00*
Intel Xeon E-2224G @ 3.50GHz	9863	412	45.25	\$218.00*
Intel Xeon E-2226G @ 3.40GHz	12887	262	49.57	\$260.00*
Intel Xeon E-2236 @ 3.40GHz	15781	176	54.61	\$289.00*
Intel Xeon E-2244G @ 3.80GHz	12782	266	46.99	\$272.00*
Intel Xeon E-2246G @ 3.60GHz	16023	163	51.52	\$311.00*
Intel Xeon E-2254ML @ 1.70GHz	9458	452	NA	NA
Intel Xeon E-2274G @ 4.00GHz	12595	274	37.71	\$334.00*
Intel Xeon E-2276G @ 3.80GHz	14143	218	39.07	\$362.00*
Intel Xeon E-2276M @ 2.80GHz	14399	209	32.00	\$450.00*
Intel Xeon E-2278G @ 3.40GHz	17670	126	35.77	\$494.00*
Intel Xeon E-2278GEL @ 2.00GHz	13914	225	28.17	\$494.00*
Intel Xeon E-2286G @ 4.00GHz	16671	145	37.05	\$450.00*
Intel Xeon E-2286M @ 2.40GHz	18327	119	29.42	\$623.00*
Intel Xeon E-2288G @ 3.70GHz	19658	103	36.47	\$539.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	144	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16435	149	14.96	\$1,099.00

Intel Xeon Gold 5120 @ 2.20GHz	18253	120	11.69	\$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	123	10.51	\$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10896	334	8.58	\$1,269.99*
Intel Xeon Gold 5218 @ 2.30GHz	20622	82	15.41	\$1,338.24
Intel Xeon Gold 6126 @ 2.60GHz	19711	100	10.43	\$1,889.97*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Gold 6128 @ 3.40GHz	14961	197	8.31	\$1,799.99
Intel Xeon Gold 6130 @ 2.10GHz	19643	104	10.12	\$1,940.99
Intel Xeon Gold 6132 @ 2.60GHz	23907	51	10.87	\$2,199.90*
Intel Xeon Gold 6134 @ 3.20GHz	18206	122	8.63	\$2,110.00
Intel Xeon Gold 6136 @ 3.00GHz	21034	79	7.92	\$2,654.82*
Intel Xeon Gold 6137 @ 3.90GHz	20413	86	NA	NA
Intel Xeon Gold 6138 @ 2.00GHz	25421	37	9.70	\$2,619.49*
Intel Xeon Gold 6140 @ 2.30GHz	23964	50	9.82	\$2,439.99*
Intel Xeon Gold 6143 @ 2.80GHz	26128	31	NA	NA
Intel Xeon Gold 6144 @ 3.50GHz	19667	102	6.41	\$3,070.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	42	5.46	\$4,608.95*
Intel Xeon Gold 6148 @ 2.40GHz	25817	34	8.13	\$3,175.93
Intel Xeon Gold 6152 @ 2.10GHz	23498	53	6.10	\$3,853.79
Intel Xeon Gold 6154 @ 3.00GHz	27722	25	7.45	\$3,718.95*
Intel Xeon Gold 6210U @ 2.50GHz	28560	20	13.87	\$2,059.86*
Intel Xeon Gold 6212U @ 2.40GHz	28060	24	14.03	\$2,000.00*
Intel Xeon Gold 6230 @ 2.10GHz	24600	44	12.21	\$2,014.44
Intel Xeon Gold 6242 @ 2.80GHz	25313	39	9.48	\$2,670.79
Intel Xeon Gold 6246 @ 3.30GHz	25734	36	7.13	\$3,609.00
Intel Xeon Gold 6254 @ 3.10GHz	30018	16	8.27	\$3,630.00
Intel Xeon L3110 @ 3.00GHz	2273	1694	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1215	42.18	\$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2141	4.83	\$277.01*
Intel Xeon L3426 @ 1.87GHz	3943	1177	8.82	\$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1902	NA	NA

Intel Xeon L5240 @ 3.00GHz	2271	1696	72.33	\$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1691	20.22	\$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1748	30.52	\$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1522	146.68	\$18.79*
Intel Xeon L5408 @ 2.13GHz	3014	1427	NA	NA
Intel Xeon L5410 @ 2.33GHz	3358	1318	33.56	\$100.08*
Intel Xeon L5420 @ 2.50GHz	3501	1285	127.34	\$27.50*
Intel Xeon L5430 @ 2.66GHz	3721	1228	23.56	\$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1231	16.59	\$224.00*
Intel Xeon L5520 @ 2.27GHz	4324	1099	337.35	\$12.82*
Intel Xeon L5530 @ 2.40GHz	4389	1086	227.93	\$19.26*
Intel Xeon L5630 @ 2.13GHz	4338	1096	206.69	\$20.99*
Intel Xeon L5638 @ 2.00GHz	5622	853	80.43	\$69.90*
Intel Xeon L5639 @ 2.13GHz	6869	718	NA	NA
Intel Xeon L5640 @ 2.27GHz	6228	781	74.72	\$83.36*
Intel Xeon L7455 @ 2.13GHz	3836	1196	NA	NA
Intel Xeon MV 3.20GHz	683	2510	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	29	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	712	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	18	4.95	\$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	19	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	23	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	24434	49	2.80	\$8,725.00*
Intel Xeon Platinum 8268 @ 2.90GHz	31689	12	5.44	\$5,830.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Silver 4108 @ 1.80GHz	10671	349	20.93	\$509.95*
Intel Xeon Silver 4109T @ 2.00GHz	10908	333	21.77	\$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11689	304	25.75	\$454.00
Intel Xeon Silver 4112 @ 2.60GHz	8526	553	16.59	\$513.99*
Intel Xeon Silver 4114 @ 2.20GHz	14333	213	22.37	\$640.75
Intel Xeon Silver 4116 @ 2.10GHz	15509	183	17.27	\$898.16*

Intel Xeon Silver 4123 @ 3.00GHz	15185	188	NA	NA
Intel Xeon Silver 4208 @ 2.10GHz	13116	255	18.50	\$708.95
Intel Xeon Silver 4210 @ 2.20GHz	15898	170	22.71	\$699.95
Intel Xeon Silver 4214 @ 2.20GHz	17630	127	21.49	\$820.58
Intel Xeon Silver 4215 @ 2.50GHz	15200	187	15.89	\$956.57*
Intel Xeon Silver 4216 @ 2.10GHz	19538	106	19.36	\$1,009.00
Intel Xeon W3503 @ 2.40GHz	1757	1926	175.95	\$9.99*
Intel Xeon W3505 @ 2.53GHz	1839	1892	73.98	\$24.86*
Intel Xeon W3520 @ 2.67GHz	4940	973	102.92	\$48.00*
Intel Xeon W3530 @ 2.80GHz	5213	922	17.74	\$293.95*
Intel Xeon W3540 @ 2.93GHz	5399	891	271.06	\$19.92*
Intel Xeon W3550 @ 3.07GHz	5563	865	185.52	\$29.99*
Intel Xeon W3565 @ 3.20GHz	5773	834	288.84	\$19.99*
Intel Xeon W3570 @ 3.20GHz	6032	808	12.57	\$479.95*
Intel Xeon W3580 @ 3.33GHz	6183	786	28.83	\$214.50*
Intel Xeon W3670 @ 3.20GHz	8021	601	16.04	\$499.99*
Intel Xeon W3680 @ 3.33GHz	8899	512	55.64	\$159.95
Intel Xeon W3690 @ 3.47GHz	8965	504	45.97	\$195.01
Intel Xeon W5580 @ 3.20GHz	5836	827	84.59	\$68.99*
Intel Xeon W5590 @ 3.33GHz	6088	801	2.43	\$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	6981	706	29.70	\$235.05*
Intel Xeon W-2104 @ 3.20GHz	7418	669	29.09	\$255.00*
Intel Xeon W-2123 @ 3.60GHz	10663	350	33.12	\$321.99
Intel Xeon W-2125 @ 4.00GHz	12299	282	25.19	\$488.27*
Intel Xeon W-2133 @ 3.60GHz	14385	210	23.32	\$617.00*
Intel Xeon W-2135 @ 3.70GHz	16305	155	18.19	\$896.60*
Intel Xeon W-2140B @ 3.20GHz	18620	114	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19766	98	16.72	\$1,182.23
Intel Xeon W-2150B @ 3.00GHz	21451	71	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21894	64	14.31	\$1,530.39*
Intel Xeon W-2170B @ 2.50GHz	24561	46	NA	NA
Intel Xeon W-2175 @ 2.50GHz	24589	45	11.86	\$2,073.34*

Intel Xeon W-2195 @ 2.30GHz	24481	48	9.09	\$2,693.26*
Intel Xeon W-3175X @ 3.10GHz	33538	8	10.86	\$3,088.99
Intel Xeon W-3235 @ 3.30GHz	25759	35	15.75	\$1,635.77*
Intel Xeon W-3265 @ 2.70GHz	31691	11	6.96	\$4,551.37*
Intel Xeon W-3275M @ 2.50GHz	34638	7	4.65	\$7,453.00*
Intel Xeon X3210 @ 2.13GHz	2740	1527	14.76	\$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1405	51.35	\$60.15*
Intel Xeon X3230 @ 2.66GHz	3391	1310	47.44	\$71.50*
Intel Xeon X3320 @ 2.50GHz	3306	1335	14.41	\$229.50*
Intel Xeon X3323 @ 2.50GHz	3177	1372	164.14	\$19.36*
Intel Xeon X3330 @ 2.66GHz	3340	1326	15.91	\$210.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X3350 @ 2.66GHz	3820	1200	63.69	\$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1192	52.43	\$73.50*
Intel Xeon X3360 @ 2.83GHz	3925	1181	24.86	\$157.95*
Intel Xeon X3363 @ 2.83GHz	3981	1163	116.79	\$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	1107	11.70	\$367.02*
Intel Xeon X3380 @ 3.16GHz	4600	1040	9.02	\$509.95*
Intel Xeon X3430 @ 2.40GHz	3339	1328	104.38	\$31.99*
Intel Xeon X3440 @ 2.53GHz	4510	1058	31.78	\$141.96*
Intel Xeon X3450 @ 2.67GHz	4750	1011	59.42	\$79.95*
Intel Xeon X3460 @ 2.80GHz	5142	933	14.40	\$357.00*
Intel Xeon X3470 @ 2.93GHz	5335	905	33.36	\$159.95*
Intel Xeon X3480 @ 3.07GHz	5658	848	NA	NA
Intel Xeon X5260 @ 3.33GHz	2448	1627	45.35	\$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1588	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1648	17.10	\$140.00*
Intel Xeon X5355 @ 2.66GHz	3165	1378	10.21	\$309.95*
Intel Xeon X5365 @ 3.00GHz	3524	1276	45.19	\$77.99*
Intel Xeon X5450 @ 3.00GHz	4108	1142	68.52	\$59.96*
Intel Xeon X5460 @ 3.16GHz	4319	1101	43.29	\$99.78*

Intel Xeon X5470 @ 3.33GHz	4579	1044	24.23	\$189.00*
Intel Xeon X5472 @ 3.00GHz	4001	1158	17.78	\$225.00*
Intel Xeon X5482 @ 3.20GHz	4528	1056	45.29	\$99.99*
Intel Xeon X5492 @ 3.40GHz	4865	988	3.50	\$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5270	912	17.29	\$304.85*
Intel Xeon X5560 @ 2.80GHz	5389	894	158.56	\$33.99*
Intel Xeon X5570 @ 2.93GHz	5609	857	23.38	\$239.95*
Intel Xeon X5647 @ 2.93GHz	5797	828	290.91	\$19.93*
Intel Xeon X5650 @ 2.67GHz	7279	681	101.97	\$71.39*
Intel Xeon X5660 @ 2.80GHz	7580	653	216.66	\$34.99*
Intel Xeon X5667 @ 3.07GHz	6200	785	265.78	\$23.33*
Intel Xeon X5670 @ 2.93GHz	7800	629	229.42	\$34.00
Intel Xeon X5672 @ 3.20GHz	6461	761	143.61	\$44.99*
Intel Xeon X5675 @ 3.07GHz	7976	613	150.53	\$52.99
Intel Xeon X5677 @ 3.47GHz	6755	730	242.49	\$27.86*
Intel Xeon X5679 @ 3.20GHz	8958	507	NA	NA
Intel Xeon X5680 @ 3.33GHz	8354	568	126.09	\$66.26
Intel Xeon X5687 @ 3.60GHz	6962	709	174.63	\$39.87*
Intel Xeon X5690 @ 3.47GHz	8782	525	81.32	\$108.00
Intel Xeon X5698 @ 4.40GHz	4272	1109	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1441	NA	NA
Mobile AMD Athlon 4	314	2813	3.62	\$86.99*
Mobile AMD Athlon 4 2400+	358	2768	NA	NA
Mobile AMD Athlon 64 2700+	398	2719	NA	NA
Mobile AMD Athlon 64 2800+	440	2670	NA	NA
Mobile AMD Athlon 64 3000+	450	2659	NA	NA
Mobile AMD Athlon 64 3200+	448	2662	NA	NA
Mobile AMD Athlon 64 3400+	511	2601	NA	NA
Mobile AMD Athlon 64 3700+	435	2680	NA	NA
Mobile AMD Athlon 64 4000+	576	2562	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

<u>Mobile AMD Athlon 1400+</u>	266	2888	NA	NA
<u>Mobile AMD Athlon 2500+</u>	370	2752	NA	NA
<u>Mobile AMD Athlon MP-M 1800+</u>	265	2889	NA	NA
<u>Mobile AMD Athlon MP-M 2000+</u>	378	2742	NA	NA
<u>Mobile AMD Athlon MP-M 2400+</u>	295	2842	NA	NA
<u>Mobile AMD Athlon MP-M 2800+</u>	496	2613	NA	NA
<u>Mobile AMD Athlon XP</u>	572	2566	45.81	\$12.49
<u>Mobile AMD Athlon XP-M</u>	512	2600	NA	NA
<u>Mobile AMD Athlon XP-M 1400+</u>	184	2970	NA	NA
<u>Mobile AMD Athlon XP-M 1500+</u>	261	2892	NA	NA
<u>Mobile AMD Athlon XP-M 1600+</u>	260	2894	NA	NA
<u>Mobile AMD Athlon XP-M 1700+</u>	323	2801	NA	NA
<u>Mobile AMD Athlon XP-M 1800+</u>	297	2837	NA	NA
<u>Mobile AMD Athlon XP-M 1900+</u>	342	2785	NA	NA
<u>Mobile AMD Athlon XP-M 2000+</u>	300	2831	NA	NA
<u>Mobile AMD Athlon XP-M 2200+</u>	364	2761	NA	NA
<u>Mobile AMD Athlon XP-M 2400+</u>	346	2780	NA	NA
<u>Mobile AMD Athlon XP-M 2500+</u>	346	2778	NA	NA
<u>Mobile AMD Athlon XP-M 2600+</u>	370	2751	NA	NA
<u>Mobile AMD Athlon XP-M 2800+</u>	365	2760	NA	NA
<u>Mobile AMD Athlon XP-M 3000+</u>	365	2759	NA	NA
<u>Mobile AMD Athlon XP-M 3100+</u>	440	2671	NA	NA
<u>Mobile AMD Athlon XP-M 3200+</u>	487	2619	NA	NA
<u>Mobile AMD Athlon XP-M (LV)</u>	508	2604	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 1500+</u>	288	2850	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 1600+</u>	296	2841	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2000+</u>	335	2789	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2200+</u>	373	2749	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2800+</u>	475	2635	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 3200+</u>	505	2607	NA	NA
<u>Mobile AMD Sempron 2100+</u>	252	2903	NA	NA
<u>Mobile AMD Sempron 2600+</u>	394	2725	NA	NA

<u>Mobile AMD Sempron 2800+</u>	364	2762	NA	NA
<u>Mobile AMD Sempron 3000+</u>	389	2736	NA	NA
<u>Mobile AMD Sempron 3100+</u>	416	2693	NA	NA
<u>Mobile AMD Sempron 3200+</u>	354	2772	NA	NA
<u>Mobile AMD Sempron 3300+</u>	446	2666	NA	NA
<u>Mobile AMD Sempron 3400+</u>	441	2669	NA	NA
<u>Mobile AMD Sempron 3500+</u>	408	2703	NA	NA
<u>Mobile AMD Sempron 3600+</u>	427	2687	NA	NA
<u>Mobile AMD Sempron 3800+</u>	485	2624	NA	NA
<u>Mobile Intel Celeron 1.20GHz</u>	170	2982	NA	NA
<u>Mobile Intel Celeron 1.50GHz</u>	188	2965	NA	NA
<u>Mobile Intel Celeron 1.60GHz</u>	188	2966	NA	NA
<u>Mobile Intel Celeron 1.70GHz</u>	181	2974	NA	NA
<u>Mobile Intel Celeron 1.80GHz</u>	186	2968	NA	NA
<u>Mobile Intel Celeron 2.00GHz</u>	204	2950	NA	NA
<u>Mobile Intel Celeron 2.20GHz</u>	226	2930	NA	NA
<u>Mobile Intel Celeron 2.40GHz</u>	236	2922	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>Mobile Intel Celeron 2.50GHz</u>	281	2869	NA	NA
<u>Mobile Intel Celeron 1200MHz</u>	294	2843	NA	NA
<u>Mobile Intel Celeron 1333MHz</u>	280	2871	NA	NA
<u>Mobile Intel Pentium 4 2.30GHz</u>	278	2876	6.38	\$43.56*
<u>Mobile Intel Pentium 4 2.40GHz</u>	264	2891	NA	NA
<u>Mobile Intel Pentium 4 2.66GHz</u>	279	2873	NA	NA
<u>Mobile Intel Pentium 4 2.80GHz</u>	315	2811	NA	NA
<u>Mobile Intel Pentium 4 3.06GHz</u>	337	2787	NA	NA
<u>Mobile Intel Pentium 4 3.20GHz</u>	356	2769	NA	NA
<u>Mobile Intel Pentium 4 3.33GHz</u>	439	2672	NA	NA
<u>Mobile Intel Pentium 4 3.46GHz</u>	478	2632	NA	NA
<u>Mobile Intel Pentium 4 - M 1.60GHz</u>	195	2959	NA	NA
<u>Mobile Intel Pentium 4 - M 1.70GHz</u>	173	2981	1.10	\$157.81

<u>Mobile Intel Pentium 4 - M 1.80GHz</u>	175	2978	NA	NA
<u>Mobile Intel Pentium 4 - M 1.90GHz</u>	232	2925	NA	NA
<u>Mobile Intel Pentium 4 - M 2.00GHz</u>	202	2954	NA	NA
<u>Mobile Intel Pentium 4 - M 2.20GHz</u>	198	2956	NA	NA
<u>Mobile Intel Pentium 4 - M 2.40GHz</u>	213	2940	NA	NA
<u>Mobile Intel Pentium 4 - M 2.50GHz</u>	256	2898	NA	NA
<u>Mobile Intel Pentium 4 - M 2.60GHz</u>	313	2815	NA	NA
<u>Mobile Intel Pentium III - M 866MHz</u>	211	2943	NA	NA
<u>Mobile Intel Pentium III - M 933MHz</u>	200	2955	NA	NA
<u>Mobile Intel Pentium III - M 1000MHz</u>	250	2906	NA	NA
<u>Mobile Intel Pentium III - M 1133MHz</u>	289	2848	NA	NA
<u>Mobile Intel Pentium III - M 1200MHz</u>	224	2931	NA	NA
<u>Mobile Intel Pentium III - M 1333MHz</u>	289	2849	NA	NA
<u>Pentium Dual-Core E6000 @ 3.46GHz</u>	2501	1610	NA	NA
<u>Quad-Core AMD Opteron 1385</u>	3442	1298	63.75	\$54.00*
<u>Quad-Core AMD Opteron 1389</u>	3446	1297	NA	NA
<u>Six-Core AMD Opteron 2419 EE</u>	2925	1462	NA	NA
<u>VIA C3 Ezra</u>	100	3009	NA	NA
<u>VIA C7 1500MHz</u>	284	2860	NA	NA
<u>VIA C7-D 1500MHz</u>	287	2856	NA	NA
<u>VIA C7-D 1800MHz</u>	203	2951	NA	NA
<u>VIA C7-D 2000MHz</u>	368	2755	NA	NA
<u>VIA C7-M 1000MHz</u>	164	2984	NA	NA
<u>VIA C7-M 1200MHz</u>	140	2997	NA	NA
<u>VIA C7-M 1600MHz</u>	178	2976	NA	NA
<u>VIA C7-M 6300MHz</u>	222	2933	NA	NA
<u>VIA Eden 800MHz</u>	155	2988	NA	NA
<u>VIA Eden 1000MHz</u>	123	3005	NA	NA
<u>VIA Eden 1200MHz</u>	142	2996	NA	NA
<u>VIA Eden C1050@1.06GHz</u>	352	2775	NA	NA
<u>VIA Eden X2 U4200 @ 1.0+ GHz</u>	499	2610	NA	NA
<u>VIA Eden X4 C4250 @ 1.2+GHz</u>	1262	2190	NA	NA

<u>VIA Esther 1000MHz</u>	146	2995	NA	NA
<u>VIA Esther 1300MHz</u>	250	2905	NA	NA
<u>VIA Esther 1500MHz</u>	195	2960	NA	NA
<u>VIA Esther 2000MHz</u>	394	2724	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>VIA Nano L1900@1400MHz</u>	457	2652	NA	NA
<u>VIA Nano L2007@1600MHz</u>	369	2753	NA	NA
<u>VIA Nano L2100@1800MHz</u>	428	2685	NA	NA
<u>VIA Nano L2207@1600MHz</u>	296	2839	NA	NA
<u>VIA Nano L3025@1600MHz</u>	517	2597	NA	NA
<u>VIA Nano L3050@1800MHz</u>	581	2559	NA	NA
<u>VIA Nano L3600@2000MHz</u>	645	2526	NA	NA
<u>VIA Nano U2250 (1.6GHz Capable)</u>	415	2694	NA	NA
<u>VIA Nano U2250@1300+MHz</u>	274	2879	NA	NA
<u>VIA Nano U2500@1200MHz</u>	306	2822	NA	NA
<u>VIA Nano U3100 (1.6GHz Capable)</u>	501	2608	NA	NA
<u>VIA Nano U3300@1200MHz</u>	409	2701	NA	NA
<u>VIA Nano U3500@1000MHz</u>	272	2880	NA	NA
<u>VIA Nano X2 U4025 @ 1.2 GHz</u>	605	2544	NA	NA
<u>VIA Nehemiah</u>	155	2989	NA	NA
<u>VIA QuadCore C4650@2.0GHz</u>	1897	1861	NA	NA
<u>VIA QuadCore L4700 @ 1.2+ GHz</u>	1363	2127	NA	NA
<u>VIA QuadCore U4650 @ 1.0+ GHz</u>	1173	2239	NA	NA
<u>VIA Samuel 2</u>	79	3011	NA	NA
<u>ZHAOXIN KaiXian KX-U6780A@2.7GHz</u>	5760	837	NA	NA
<u>ZHAOXIN KaiXian ZX-C+ C4700@2.0GHz</u>	2069	1778	NA	NA

* - Last price seen from our affiliates.

Multi CPU Systems

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[3-Way] Intel Xeon X7460 @ 2.66GHz	7672	342	3.61	\$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	161	100.33	\$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	448	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	454	2.95	\$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	500	NA	NA
[Dual CPU] AMD EPYC 7251	12955	219	10.81	\$1,198.60
[Dual CPU] AMD EPYC 7261	12430	225	6.15	\$2,019.96
[Dual CPU] AMD EPYC 7281	15152	189	11.68	\$1,297.06
[Dual CPU] AMD EPYC 7371	19370	141	6.25	\$3,100.00*
[Dual CPU] AMD EPYC 7401	23518	85	6.55	\$3,588.92
[Dual CPU] AMD EPYC 7451	28957	50	11.49	\$2,519.78
[Dual CPU] AMD EPYC 7501	28991	49	4.44	\$6,529.16
[Dual CPU] AMD EPYC 7542	46721	3	5.78	\$8,079.52
[Dual CPU] AMD EPYC 7551	31452	37	8.57	\$3,671.88
[Dual CPU] AMD EPYC 7601	33545	29	4.63	\$7,242.18
[Dual CPU] AMD EPYC 7742	55574	1	4.00	\$13,900.00*
[Dual CPU] AMD Opteron 246	1130	489	28.26	\$39.98*
[Dual CPU] AMD Opteron 248	1053	490	4.79	\$219.90
[Dual CPU] AMD Opteron 250	1438	485	65.36	\$22.00*
[Dual CPU] AMD Opteron 252	1418	486	11.19	\$126.72*
[Dual CPU] AMD Opteron 254	816	495	NA	NA
[Dual CPU] AMD Opteron 256	1853	482	48.76	\$38.00*
[Dual CPU] AMD Opteron 265	2010	480	13.77	\$146.00
[Dual CPU] AMD Opteron 270	2226	476	1.83	\$1,214.94*

[Dual CPU] AMD Opteron 275	2133	479	13.00	\$164.10*
[Dual CPU] AMD Opteron 280	2452	471	18.86	\$130.00*
[Dual CPU] AMD Opteron 285	2769	461	17.32	\$159.90
[Dual CPU] AMD Opteron 290	2716	463	10.06	\$270.00*
[Dual CPU] AMD Opteron 850	1410	487	0.47	\$3,028.00*
[Dual CPU] AMD Opteron 885	2851	456	NA	NA
[Dual CPU] AMD Opteron 2212	2203	477	55.08	\$40.00*
[Dual CPU] AMD Opteron 2214	2344	472	40.41	\$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	470	NA	NA
[Dual CPU] AMD Opteron 2216	2485	469	48.16	\$51.60
[Dual CPU] AMD Opteron 2216 HE	2593	465	NA	NA
[Dual CPU] AMD Opteron 2218	2732	462	17.09	\$159.90
[Dual CPU] AMD Opteron 2218 HE	2514	466	NA	NA
[Dual CPU] AMD Opteron 2220	2839	457	17.75	\$159.90
[Dual CPU] AMD Opteron 2220 SE	2882	455	57.64	\$50.00*
[Dual CPU] AMD Opteron 2222	2998	452	0.90	\$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	446	45.30	\$71.90*
[Dual CPU] AMD Opteron 2346 HE	4095	436	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	443	7.36	\$471.66*
[Dual CPU] AMD Opteron 2350	4078	437	25.50	\$159.90*
[Dual CPU] AMD Opteron 2354	4554	425	6.86	\$664.06*
[Dual CPU] AMD Opteron 2356	4441	428	42.70	\$104.00*
[Dual CPU] AMD Opteron 2360 SE	5315	406	75.93	\$70.00
[Dual CPU] AMD Opteron 2373 EE	4164	433	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	421	36.92	\$130.00
[Dual CPU] AMD Opteron 2376	5238	408	15.70	\$333.62*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 2378	5318	405	14.85	\$358.00*
[Dual CPU] AMD Opteron 2380	5261	407	58.46	\$90.00
[Dual CPU] AMD Opteron 2384	5449	400	3.24	\$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	379	NA	NA

[Dual CPU] AMD Opteron 2389	5677	393	48.11	\$118.00*
[Dual CPU] AMD Opteron 2419	5191	410	216.47	\$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	380	NA	NA
[Dual CPU] AMD Opteron 2427	5907	390	45.44	\$130.00
[Dual CPU] AMD Opteron 2431	6438	372	80.48	\$80.00*
[Dual CPU] AMD Opteron 2435	7053	358	54.25	\$130.00
[Dual CPU] AMD Opteron 2439 SE	8071	327	44.84	\$179.98*
[Dual CPU] AMD Opteron 4122	4076	438	16.31	\$249.98*
[Dual CPU] AMD Opteron 4130	5651	395	24.58	\$229.90*
[Dual CPU] AMD Opteron 4170 HE	6344	376	53.76	\$118.00*
[Dual CPU] AMD Opteron 4180	6367	374	7.77	\$819.90*
[Dual CPU] AMD Opteron 4184	7813	332	7.51	\$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	326	80.90	\$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	329	NA	NA
[Dual CPU] AMD Opteron 4234	8953	302	19.46	\$459.98*
[Dual CPU] AMD Opteron 4274 HE	6797	364	84.98	\$79.98*
[Dual CPU] AMD Opteron 4276 HE	9681	286	NA	NA
[Dual CPU] AMD Opteron 4280	4525	426	45.25	\$100.00*
[Dual CPU] AMD Opteron 4284	9151	295	76.27	\$119.98*
[Dual CPU] AMD Opteron 4334	9462	293	21.86	\$432.84*
[Dual CPU] AMD Opteron 4340	10419	266	21.71	\$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	273	8.15	\$1,257.44*
[Dual CPU] AMD Opteron 4386	11410	247	40.75	\$279.98*
[Dual CPU] AMD Opteron 6128	6762	365	178.04	\$37.98
[Dual CPU] AMD Opteron 6128 HE	5582	398	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	312	NA	NA
[Dual CPU] AMD Opteron 6134	7586	344	86.22	\$87.98*
[Dual CPU] AMD Opteron 6136	7255	352	32.98	\$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	413	NA	NA
[Dual CPU] AMD Opteron 6168	7741	338	6.67	\$1,159.90
[Dual CPU] AMD Opteron 6172	7621	343	19.24	\$396.00*
[Dual CPU] AMD Opteron 6174	7783	334	59.87	\$130.00

[Dual CPU] AMD Opteron 6176 SE	8448	317	26.57	\$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	449	16.40	\$189.90
[Dual CPU] AMD Opteron 6204	7134	354	50.96	\$139.98*
[Dual CPU] AMD Opteron 6212	8927	306	148.83	\$59.98*
[Dual CPU] AMD Opteron 6220	10558	262	88.00	\$119.98*
[Dual CPU] AMD Opteron 6234	10079	279	168.26	\$59.90*
[Dual CPU] AMD Opteron 6238	10349	268	14.38	\$719.78*
[Dual CPU] AMD Opteron 6272	9818	283	70.14	\$139.98
[Dual CPU] AMD Opteron 6274	10536	263	117.09	\$89.98
[Dual CPU] AMD Opteron 6275	10900	259	NA	NA
[Dual CPU] AMD Opteron 6276	10101	278	29.88	\$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	240	17.12	\$699.98*
[Dual CPU] AMD Opteron 6308	8349	319	13.47	\$619.96
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6320	10716	261	20.88	\$513.18
[Dual CPU] AMD Opteron 6328	12013	239	16.73	\$718.00
[Dual CPU] AMD Opteron 6344	11203	252	14.40	\$778.00*
[Dual CPU] AMD Opteron 6348	11412	246	18.64	\$612.20
[Dual CPU] AMD Opteron 6366 HE	12147	233	202.52	\$59.98*
[Dual CPU] AMD Opteron 6376	10452	265	80.40	\$130.00
[Dual CPU] AMD Opteron 6378	9145	296	24.07	\$380.00
[Dual CPU] AMD Opteron 6380	14200	199	120.34	\$118.00
[Dual CPU] AMD Opteron 6386 SE	12195	232	42.05	\$289.98
[Dual CPU] AMD Opteron 8218	2831	458	61.54	\$46.00*
[Dual CPU] AMD Opteron 8220	2510	468	15.70	\$159.90
[Dual CPU] AMD Opteron 8222 SE	2793	460	0.45	\$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	447	67.15	\$48.00
[Dual CPU] AMD Opteron 8380	5643	396	13.70	\$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	409	NA	NA
[Dual CPU] AMD Opteron 8389	6517	370	41.25	\$158.00*
[Dual CPU] AMD Opteron 8431	5813	391	207.76	\$27.98*

[Dual CPU] AMD Opteron 8435	6739	366	46.80	\$144.00*
[Dual CPU] AMD Opteron 8439 SE	7691	341	64.09	\$120.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	488	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	474	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	442	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	331	2.19	\$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	509	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	507	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	539	504	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	540	503	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	510	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	511	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	508	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	506	25.99	\$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	501	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	679	497	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	496	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	499	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	494	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	885	493	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	927	492	0.54	\$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1854	481	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	491	0.58	\$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2137	478	30.53	\$70.00*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2315	473	0.71	\$3,239.98*
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2620	464	26.74	\$97.98*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	450	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2975	453	59.52	\$49.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	451	114.20	\$26.26*

[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3409	444	12.18	\$279.90*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3825	440	38.26	\$99.98*
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8929	305	19.24	\$464.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11007	257	15.45	\$712.54*
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	382	64.96	\$95.50*
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	378	141.98	\$44.40*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	350	43.00	\$169.84*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	299	12.53	\$719.90*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11299	249	14.49	\$780.04*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	241	63.03	\$188.96
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	322	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13220	217	21.67	\$609.98*
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13986	200	12.49	\$1,119.98
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	10818	260	167.57	\$64.56*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	229	NA	NA
[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz	12419	226	155.28	\$79.98
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	220	12.60	\$1,019.90*
[Dual CPU] Intel Xeon E5-2448L @ 1.80GHz	11334	248	NA	NA
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	14276	198	119.03	\$119.94*
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	15106	190	76.84	\$196.58*
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11807	242	45.41	\$260.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	13442	212	52.51	\$256.00*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	151	41.83	\$444.00
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	377	66.25	\$95.70*
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	369	34.50	\$188.96*

[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8369	318	62.24	\$134.46
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8932	304	17.18	\$520.00*
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8158	325	40.81	\$199.90
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	9026	298	145.63	\$61.98*
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10029	280	47.29	\$212.06*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	11010	256	15.30	\$719.46*
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12216	231	71.15	\$171.70*
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13215	218	169.42	\$78.00
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15262	187	85.74	\$178.00
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16439	172	21.13	\$778.00
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14339	197	11.05	\$1,298.00*
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12620	223	11.49	\$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	195	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13449	211	168.37	\$79.88*
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	15920	178	181.16	\$87.88
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18456	154	100.32	\$183.98
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18745	148	16.77	\$1,118.00*
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11172	253	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13706	205	188.58	\$72.68
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	188	15.82	\$959.80
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7706	340	4.35	\$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15882	180	113.46	\$139.98
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16421	173	65.69	\$249.96
[Dual CPU] Intel Xeon E5-2637 v4 @	16703	170	7.03	\$2,377.30*

3.50GHz				
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14649	194	76.38	\$191.80
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14553	196	183.06	\$79.50
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	19657	135	72.80	\$270.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	20206	130	10.98	\$1,840.54*
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13656	206	115.79	\$117.94*
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20686	123	81.83	\$252.78
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21049	115	42.10	\$500.00
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21533	109	5.97	\$3,603.92*
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12399	228	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	13801	202	4.67	\$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	156	5.79	\$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	15028	191	110.50	\$136.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18813	147	50.66	\$371.36
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20239	128	88.00	\$230.00
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20809	121	10.31	\$2,018.00*
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	13621	209	90.81	\$150.00
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	13788	203	91.92	\$150.00*
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	117	6.99	\$2,992.00*
[Dual CPU] Intel Xeon E5-2652 v3 @ 2.30GHz	19588	137	8.36	\$2,342.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13855	201	4.74	\$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	146	52.29	\$359.98*
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	140	NA	NA

[Dual CPU] Intel Xeon E5-2658A v3 @ 2.20GHz	17786	160	4.85	\$3,664.00*
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16403	174	86.66	\$189.28
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17860	159	41.95	\$425.78*
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22339	102	34.91	\$639.90*
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23105	91	7.70	\$2,999.98*
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23137	90	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	16987	166	82.97	\$204.74*
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	76	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16391	175	174.37	\$94.00
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22729	96	59.82	\$379.98
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22626	98	36.61	\$618.00
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	22916	93	5.88	\$3,898.06*
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18147	155	68.57	\$264.64
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20642	125	49.38	\$418.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22232	104	74.60	\$298.00
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	87	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	21751	108	15.54	\$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	26537	66	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19762	133	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	20856	120	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	43	5.54	\$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18592	150	146.93	\$126.54
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21493	110	63.20	\$340.10

[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24195	82	57.61	\$419.98
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	22761	95	7.54	\$3,018.00*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	167	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21194	114	20.78	\$1,019.98*
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	74	5.66	\$4,417.86*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	105	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26907	63	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28784	53	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20780	122	50.19	\$414.00*
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23341	88	34.84	\$670.00*
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24293	81	19.95	\$1,217.98
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26664	64	6.13	\$4,349.98*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	18607	149	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25703	70	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19667	134	108.39	\$181.44
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23598	84	54.64	\$431.86
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25568	71	56.82	\$450.00
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27442	60	6.32	\$4,339.98*
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20861	118	40.27	\$517.98
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24673	78	25.18	\$979.98*
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	80	2.12	\$11,616.00*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23478	86	NA	NA

[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30334	42	6.07	\$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31774	36	5.28	\$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23242	89	47.05	\$494.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27383	61	27.94	\$980.00
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30440	41	4.98	\$6,109.98*
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	29426	47	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	28325	56	23.26	\$1,218.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30833	40	4.78	\$6,452.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	34	4.44	\$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	83	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26542	65	10.98	\$2,418.00*
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	27	4.01	\$8,478.00
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	124	NA	NA
[Dual CPU] Intel Xeon E5-4617 @ 2.90GHz	15383	184	85.56	\$179.80*
[Dual CPU] Intel Xeon E5-4620 v3 @ 2.00GHz	16684	171	5.00	\$3,336.00*
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	139	19.15	\$1,017.90*
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	179	2.91	\$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	143	35.31	\$544.08*
[Dual CPU] Intel Xeon E5-4640 v3 @ 1.90GHz	20468	126	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	138	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	18565	152	132.63	\$139.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	192	1.94	\$7,676.00*
	21855	107		

[Dual CPU] Intel Xeon E5-4650 v4 @ 2.20GHz			2.85	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	13742	204	91.64	\$149.96*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	100	2.34	\$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	59	2.54	\$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	234	44.98	\$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	181	NA	NA
[Dual CPU] Intel Xeon E7-4830 @ 2.13GHz	9539	292	147.66	\$64.60*
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	101	1.81	\$12,400.00*
[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz	12016	238	1.42	\$8,454.00*
[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	15263	186	40.38	\$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10965	258	27.41	\$399.98*
[Dual CPU] Intel Xeon E7- 8870 @ 2.40GHz	10207	276	1.02	\$10,017.02*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	475	79.85	\$28.54
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	439	22.74	\$177.56*
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3554	441	36.27	\$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4155	434	53.61	\$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	416	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4559	424	128.28	\$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5119	412	64.00	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5129	411	64.19	\$79.90*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6007	387	14.37	\$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6347	375	50.41	\$125.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6824	363	22.02	\$309.90*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7117	355	35.94	\$198.00*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7499	347	12.54	\$597.88*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7083	357	129.73	\$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7774	335	129.39	\$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2511	467	13.22	\$190.00*

[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2805	459	4.89	\$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4854	420	34.70	\$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4991	415	39.60	\$126.02*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5414	402	5.92	\$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7288	351	75.12	\$97.02*
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7574	345	291.31	\$26.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7714	339	65.37	\$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	435	16.04	\$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5505	399	16.48	\$334.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5916	389	42.74	\$138.42*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	7978	330	67.62	\$117.98*
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8329	320	118.99	\$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8666	311	154.81	\$55.98*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10216	275	62.82	\$162.62*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10259	272	49.29	\$208.14*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	401	87.81	\$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	404	29.87	\$179.98*
[Dual CPU] Intel Xeon E7540 @ 2.00GHz	6738	367	210.96	\$31.94*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	106	10.03	\$2,193.82*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	21437	111	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	113	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22810	94	10.38	\$2,198.00
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25109	73	8.04	\$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17463	162	6.88	\$2,539.98*
[Dual CPU] Intel Xeon Gold 5215 @ 2.50GHz	22537	99	9.23	\$2,442.00*
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz	22282	103	7.32	\$3,044.00*
[Dual CPU] Intel Xeon Gold 5218 @ 2.30GHz	17384	164	6.50	\$2,676.48
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	62	10.14	\$2,698.00*
[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	22983	92	6.92	\$3,319.90*
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	19113	144	7.19	\$2,657.06*
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	28610	54	7.57	\$3,779.94*

[Dual CPU] Intel Xeon Gold 6126T @ 2.60GHz	20391	127	5.47	\$3,730.00*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22725	97	6.31	\$3,599.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	26366	67	6.79	\$3,881.98
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	58	6.26	\$4,399.80*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	24666	79	5.85	\$4,220.00
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29725	45	5.60	\$5,309.64*
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	57	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34320	26	6.55	\$5,238.98*
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32589	33	6.68	\$4,879.98*
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	51	4.72	\$6,116.66*
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	29907	44	NA	NA
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28802	52	4.69	\$6,140.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29655	46	3.22	\$9,217.90*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36731	19	5.78	\$6,351.86
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	32941	32	5.01	\$6,569.90*
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33142	30	4.30	\$7,707.58
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	37168	17	5.00	\$7,437.90*
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	24959	75	4.89	\$5,104.72*
[Dual CPU] Intel Xeon Gold 6240 @ 2.60GHz	35808	23	7.30	\$4,902.00*
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33019	31	6.18	\$5,341.58
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	31282	38	4.81	\$6,509.68*
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	33741	28	4.67	\$7,218.00
[Dual CPU] Intel Xeon Gold 6248 @ 2.50GHz	38755	11	5.87	\$6,599.98*
[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz	37405	15	4.67	\$8,011.90
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	41148	7	5.67	\$7,260.00
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	427	71.16	\$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	431	30.62	\$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	418	130.15	\$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	397	NA	NA

[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	383	30.58	\$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6437	373	117.04	\$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	386	19.22	\$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	417	11.00	\$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	361	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6961	360	271.49	\$25.64*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7553	346	196.08	\$38.52*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	6973	359	166.10	\$41.98*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8693	309	62.18	\$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9607	288	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9675	287	58.03	\$166.72*
[Dual CPU] Intel Xeon MP 2.50GHz	550	502	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	538	505	5.98	\$90.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	498	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	483	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36271	21	NA	NA
[Dual CPU] Intel Xeon Platinum 8153 @ 2.00GHz	19091	145	3.06	\$6,230.00*
[Dual CPU] Intel Xeon Platinum 8160 @ 2.10GHz	38364	12	3.96	\$9,678.00
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	37838	14	2.46	\$15,408.00*
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29251	48	2.96	\$9,872.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39589	10	3.36	\$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	36410	20	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	22	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	37312	16	1.86	\$20,030.00*
[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	38202	13	4.14	\$9,220.00*
[Dual CPU] Intel Xeon Platinum 8268 @	41119	8	3.53	\$11,660.00

<u>2.90GHz</u>				
[Dual CPU] Intel Xeon Platinum 8275CL @ 3.00GHz	43870	5	NA	NA
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15972	177	15.66	\$1,019.90*
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	16855	169	18.56	\$908.00
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13327	215	12.96	\$1,027.98*
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19362	142	15.11	\$1,281.50
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21435	112	11.93	\$1,796.32*
[Dual CPU] Intel Xeon Silver 4208 @ 2.10GHz	17904	158	12.63	\$1,417.90
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz	20002	132	19.96	\$1,002.00*
[Dual CPU] Intel Xeon Silver 4210 @ 2.20GHz	20974	116	14.98	\$1,399.90
[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25402	72	15.48	\$1,641.16
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10019	281	72.61	\$137.98*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10243	274	2.04	\$5,017.90*
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	270	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	422	44.05	\$108.00*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	423	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	419	17.46	\$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5729	392	9.24	\$619.90*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6207	381	39.79	\$155.98*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7436	348	62.01	\$119.92*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7791	333	39.04	\$199.56*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8059	328	21.32	\$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7769	336	17.26	\$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8166	324	40.83	\$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8672	310	3.12	\$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8750	307	14.35	\$609.70*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	8993	300	132.29	\$67.98*

[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9275	294	19.33	\$479.90*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9563	290	239.91	\$39.86*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11232	250	78.67	\$142.78*
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11637	244	166.29	\$69.98*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10277	271	220.25	\$46.66*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12076	235	177.59	\$68.00
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10321	269	114.70	\$89.98*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12409	227	117.09	\$105.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11163	254	200.34	\$55.72*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13428	213	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13345	214	100.70	\$132.52
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11733	243	147.14	\$79.74*
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13646	207	63.18	\$216.00
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	316	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	368	91.61	\$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	308	6.15	\$1,417.90*
[Dual CPU] Intel Xeon X7542 @ 2.67GHz	8972	301	13.22	\$678.48*
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	282	18.07	\$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11230	251	255.23	\$44.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Quad-Core AMD Opteron 2352	4171	432	46.34	\$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	414	11.46	\$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	430	9.75	\$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	429	33.66	\$130.00
[Dual CPU] Quad-Core AMD Opteron 8378	5382	403	30.51	\$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	362	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	394	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	388	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	321	NA	NA
[Quad CPU] AMD Opteron 6136	9767	284	22.20	\$440.00*
	8594	314		

[Quad CPU] AMD Opteron 6174			33.05	\$260.00
[Quad CPU] AMD Opteron 6272	12292	230	43.91	\$279.96
[Quad CPU] AMD Opteron 6274	10488	264	58.28	\$179.96
[Quad CPU] AMD Opteron 6276	15342	185	22.70	\$676.00
[Quad CPU] AMD Opteron 6278	12055	236	24.31	\$495.80
[Quad CPU] AMD Opteron 6282 SE	11044	255	4.31	\$2,560.00
[Quad CPU] AMD Opteron 6376	13257	216	50.99	\$260.00
[Quad CPU] AMD Opteron 6378	20859	119	27.45	\$760.00
[Quad CPU] AMD Opteron 6380	12442	224	52.72	\$236.00
[Quad CPU] AMD Opteron 8360 SE	6490	371	77.26	\$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	384	NA	NA
[Quad CPU] AMD Opteron 8382	8553	315	10.74	\$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	349	NA	NA
[Quad CPU] AMD Opteron 8431	8252	323	147.46	\$55.96*
[Quad CPU] AMD Opteron 8435	7099	356	24.65	\$288.00*
[Quad CPU] AMD Opteron 8439 SE	8943	303	37.26	\$240.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	484	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	445	NA	NA
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	168	46.92	\$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	14669	193	27.32	\$536.84*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	208	42.59	\$319.96*
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	77	12.12	\$2,035.80*
[Quad CPU] Intel Xeon E5-4640 @ 2.40GHz	19643	136	1.80	\$10,920.00*
[Quad CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	20036	131	18.41	\$1,088.16*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	17127	165	61.18	\$279.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	68	12.87	\$2,035.80*
[Quad CPU] Intel Xeon E5-4650L @ 2.60GHz	18557	153	61.87	\$299.92*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	39	2.14	\$14,436.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	129	3.36	\$6,008.00*

[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	13606	210	105.31	\$129.20*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	176	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	25	1.39	\$24,800.00*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28569	55	1.25	\$22,916.00*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	35	NA	NA
[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz	36830	18	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	15433	182	96.48	\$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17398	163	131.84	\$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	15429	183	20.41	\$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	222	15.87	\$799.96*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	17965	157	0.90	\$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	6081	385	17.89	\$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	337	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	277	28.32	\$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	289	9.99	\$958.52*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	297	14.31	\$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	69	5.15	\$5,079.96*
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	24	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	9	2.65	\$15,415.16
[Quad CPU] Intel Xeon Gold 6248 @ 2.50GHz	41863	6	3.17	\$13,199.96*
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	285	NA	NA
[Quad CPU] Intel Xeon L7555 @ 1.87GHz	10406	267	NA	NA
[Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz	44139	4	1.10	\$40,060.00*
[Quad CPU] Intel Xeon Platinum 8180M @ 2.50GHz	48904	2	NA	NA
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9542	291	66.28	\$143.96*

[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12029	237	4.24	\$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	313	6.36	\$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	245	10.45	\$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	12824	221	145.73	\$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	353	27.58	\$260.00

* - Last price seen from our affiliates.

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