CPU Benchmarks

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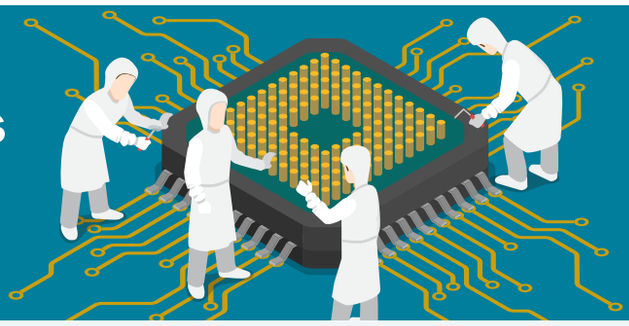

CPU List

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

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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
Power Performance
CPU Mark by Socket Type
CPU Mega List
Search Model
Compare 0

Single CPU Systems

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2826	NA	NA
AMD A4 Micro-6400T APU	1544	2016	NA	NA
AMD A4 PRO-3340B	2402	1620	NA	NA
AMD A4 PRO-7300B APU	2353	1641	NA	NA
AMD A4 PRO-7350B	2227	1694	NA	NA
AMD A4-1200 APU	632	2506	NA	NA
AMD A4-1250 APU	622	2513	NA	NA
AMD A4-3300 APU	1503	2041	115.75	$12.99
AMD A4-3300M APU	1188	2205	39.62	$29.99*
AMD A4-3305M APU	1227	2183	39.85	$30.81
AMD A4-3310MX APU	1286	2146	NA	NA
AMD A4-3320M APU	1253	2169	34.93	$35.90
AMD A4-3330MX APU	1218	2187	NA	NA
AMD A4-3400 APU	1593	2000	18.12	$87.95
AMD A4-3420 APU	1664	1960	NA	NA
AMD A4-4000 APU	1831	1874	14.27	$128.27*
AMD A4-4020 APU	1909	1831	23.00	$83.00
AMD A4-4300M APU	1613	1988	40.48	$39.86
AMD A4-4355M APU	1177	2209	NA	NA
AMD A4-5000 APU	1918	1825	NA	NA

AMD A4-5050 APU	2124	1734	NA	NA
AMD A4-5100 APU	2060	1761	NA	NA
AMD A4-5150M APU	1864	1855	NA	NA
AMD A4-5300 APU	2019	1778	18.30	$110.32*
AMD A4-5300B APU	2149	1721	56.56	$38.00*
AMD A4-6210 APU	2170	1713	NA	NA
AMD A4-6250J APU	2553	1565	NA	NA
AMD A4-6300 APU	2225	1695	48.87	$45.55*
AMD A4-6300B APU	2159	1719	21.59	$100.00*
AMD A4-6320 APU	2329	1644	33.29	$69.99*
AMD A4-7210 APU	2529	1572	NA	NA
AMD A4-7300 APU	2312	1653	20.65	$112.00
AMD A4-9120	1949	1810	NA	NA
AMD A4-9120C	1539	2019	NA	NA
AMD A4-9125	2001	1784	NA	NA
AMD A6 Micro-6500T APU	1834	1871	NA	NA
AMD A6 PRO-7050B APU	1616	1986	NA	NA
AMD A6 PRO-7400B	2621	1538	NA	NA
AMD A6-1450 APU	1539	2020	NA	NA
AMD A6-3400M APU	1888	1844	63.01	$29.97*
AMD A6-3410MX APU	2058	1764	515.98	$3.99*
AMD A6-3420M APU	2004	1782	NA	NA
AMD A6-3430MX APU	2200	1705	NA	NA
AMD A6-3500 APU	2030	1773	50.79	$39.99*
AMD A6-3600 APU	2707	1516	117.76	$22.99*
AMD A6-3620 APU	2793	1485	46.57	$59.99*
AMD A6-3650 APU	3143	1367	98.26	$31.99*
AMD A6-3670 APU	3166	1355	5.19	$610.00*
AMD A6-4400M APU	1643	1972	205.72	$7.99*
AMD A6-4455M APU	1286	2147	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	2436	1609	NA	NA
AMD A6-5345M APU	1476	2052	NA	NA
AMD A6-5350M APU	1906	1833	44.20	$43.12
AMD A6-5357M APU	1953	1808	NA	NA
AMD A6-5400B APU	2250	1683	21.43	$105.04*
AMD A6-5400K APU	2160	1717	34.83	$62.02
AMD A6-6310 APU	2467	1599	NA	NA
AMD A6-6400B APU	2281	1667	NA	NA

AMD A6-6400K APU	2313	1651	28.46	$81.27*
AMD A6-6420B APU	2612	1541	NA	NA
AMD A6-6420K APU	2388	1628	15.92	$149.99*
AMD A6-7000	1667	1957	NA	NA
AMD A6-7310 APU	2673	1524	NA	NA
AMD A6-7400K APU	2783	1490	38.24	$72.79
AMD A6-7470K	2727	1509	20.52	$132.91
AMD A6-7480	3137	1368	71.33	$43.99*
AMD A6-8500P	2202	1704	NA	NA
AMD A6-8550	3032	1402	NA	NA
AMD A6-9200	1747	1907	NA	NA
AMD A6-9210	1764	1897	NA	NA
AMD A6-9220	2166	1715	NA	NA
AMD A6-9220C	1974	1796	NA	NA
AMD A6-9220e	1629	1981	NA	NA
AMD A6-9225	2130	1729	NA	NA
AMD A6-9230	2102	1742	NA	NA
AMD A6-9500	3054	1396	59.60	$51.25
AMD A6-9500E	2889	1458	39.85	$72.50*
AMD A8 PRO-7150B APU	2655	1528	NA	NA
AMD A8 PRO-7600B APU	4752	987	NA	NA
AMD A8-3500M APU	1980	1791	28.31	$69.95
AMD A8-3510MX APU	2414	1615	NA	NA
AMD A8-3520M APU	2170	1712	NA	NA
AMD A8-3530MX APU	2354	1639	NA	NA
AMD A8-3550MX APU	2610	1542	NA	NA
AMD A8-3800 APU	3011	1406	52.84	$56.99*
AMD A8-3820 APU	3106	1378	24.86	$124.99*
AMD A8-3850 APU	3458	1273	32.72	$105.68*
AMD A8-3870K APU	3537	1251	23.64	$149.67*
AMD A8-4500M APU	2665	1526	NA	NA
AMD A8-4555M APU	2123	1735	NA	NA
AMD A8-5500 APU	3998	1137	70.78	$56.50*
AMD A8-5500B APU	4045	1129	NA	NA
AMD A8-5545M APU	2582	1552	NA	NA
AMD A8-5550M APU	3003	1411	NA	NA
AMD A8-5557M APU	2956	1427	NA	NA
AMD A8-5600K APU	4341	1073	18.93	$229.30
AMD A8-6410 APU	2575	1556	NA	NA
AMD A8-6500 APU	4393	1063	46.26	$94.99*

AMD A8-6500B APU	4616	1013	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	1319	NA	NA
AMD A8-6600K APU	4592	1022	47.35	$96.99*
AMD A8-7050	1824	1876	NA	NA
AMD A8-7100 APU	2803	1484	NA	NA
AMD A8-7200P	3338	1305	NA	NA
AMD A8-7410 APU	2748	1503	NA	NA
AMD A8-7600 APU	5063	926	34.46	$146.94*
AMD A8-7650K	4932	954	48.45	$101.80
AMD A8-7670K	5083	919	31.56	$161.10*
AMD A8-7680	5322	886	88.73	$59.99*
AMD A8-8600P	3248	1325	NA	NA
AMD A8-8650	5465	862	NA	NA
AMD A8-9600	4967	948	71.01	$69.95
AMD A9-9400	2306	1655	NA	NA
AMD A9-9410	2544	1570	NA	NA
AMD A9-9420	2340	1643	NA	NA
AMD A9-9420e	1792	1889	NA	NA
AMD A9-9425	2498	1588	NA	NA
AMD A9-9430	2524	1575	NA	NA
AMD A10 Micro-6700T APU	1970	1798	NA	NA
AMD A10 PRO-7350B APU	3153	1361	NA	NA
AMD A10 PRO-7800B APU	4979	944	NA	NA
AMD A10 PRO-7850B APU	5380	875	NA	NA
AMD A10-4600M APU	3115	1377	38.96	$79.95*
AMD A10-4655M APU	2605	1544	NA	NA
AMD A10-4657M APU	2906	1446	NA	NA
AMD A10-5700 APU	4214	1100	65.35	$64.50*
AMD A10-5745M APU	2764	1497	NA	NA
AMD A10-5750M APU	3341	1303	NA	NA
AMD A10-5757M APU	3084	1384	NA	NA
AMD A10-5800B APU	4614	1014	NA	NA
AMD A10-5800K APU	4649	1004	31.00	$149.99*
AMD A10-6700 APU	4605	1017	39.37	$116.99*
AMD A10-6700T APU	3693	1214	25.02	$147.61*
AMD A10-6790K APU	4718	993	49.68	$94.99*
AMD A10-6800B APU	4822	974	NA	NA
AMD A10-6800K APU	4858	971	55.36	$87.76*

AMD A10-7300 APU	2905	1448	NA	NA
AMD A10-7400P	3606	1232	NA	NA
AMD A10-7700K APU	5117	914	40.78	$125.47*
AMD A10-7800 APU	4973	947	48.10	$103.39*
AMD A10-7850K APU	5469	860	32.68	$167.33*
AMD A10-7860K	5045	931	28.83	$175.00*
AMD A10-7870K	5476	858	24.12	$226.99*
AMD A10-7890K	5706	826	28.53	$199.99*
AMD A10-8700P	3443	1276	NA	NA
AMD A10-8750	5064	925	NA	NA
AMD A10-8850	5604	838	NA	NA
AMD A10-9600P	3766	1192	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD A10-9620P	3679	1217	NA	NA
AMD A10-9630P	4474	1046	NA	NA
AMD A10-9700	5383	874	64.96	$82.87
AMD A10-9700E	4747	990	43.97	$107.98
AMD A12-9700P	3712	1209	NA	NA
AMD A12-9720P	3994	1138	NA	NA
AMD A12-9730P	4417	1060	NA	NA
AMD A12-9800	5584	840	37.67	$148.24*
AMD A12-9800E	5087	918	38.72	$131.38
AMD Athlon64 X2 Dual Core 4600+	1108	2251	NA	NA
AMD Athlon 4	279	2846	4.00	$69.99
AMD Athlon 64 2000+	116	2980	NA	NA
AMD Athlon 64 2200+	575	2538	NA	NA
AMD Athlon 64 2600+	374	2720	NA	NA
AMD Athlon 64 2800+	438	2648	4.38	$99.99*
AMD Athlon 64 3000+	464	2618	7.73	$60.00
AMD Athlon 64 3200+	492	2588	3.29	$149.95*
AMD Athlon 64 3300+	576	2537	NA	NA
AMD Athlon 64 3400+	545	2548	NA	NA
AMD Athlon 64 3500+	541	2554	4.97	$108.95
AMD Athlon 64 3600+	601	2522	NA	NA
AMD Athlon 64 3700+	598	2523	8.67	$69.00*
AMD Athlon 64 3800+	589	2527	3.28	$179.95*
AMD Athlon 64 4000+	608	2517	3.32	$183.27*
AMD Athlon 64 FX-25	794	2433	NA	NA
AMD Athlon 64 FX-34	380	2713	NA	NA
AMD Athlon 64 FX-51	437	2650	NA	NA

AMD Athlon 64 FX-53	646	2498	21.57	$29.99*
AMD Athlon 64 FX-55	721	2463	4.01	$179.95*
AMD Athlon 64 FX-57	730	2459	NA	NA
AMD Athlon 64 FX-59	715	2466	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	2151	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	2005	NA	NA
AMD Athlon 64 FX-72	1794	1887	NA	NA
AMD Athlon 64 FX-74	1495	2045	2.99	$499.50*
AMD Athlon 64 X2 3800+	958	2346	NA	NA
AMD Athlon 64 X2 4200+	1285	2148	4.16	$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2319	NA	NA
AMD Athlon 64 X2 Dual Core 3600+	962	2340	16.03	$60.00
AMD Athlon 64 X2 Dual Core 3800+	999	2313	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1045	2284	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1098	2254	5.49	$199.95
AMD Athlon 64 X2 Dual Core 4400+	1145	2233	19.09	$60.00
AMD Athlon 64 X2 Dual Core 4600+	1219	2186	3.39	$359.95
AMD Athlon 64 X2 Dual Core 4800+	1253	2170	2.73	$459.95*
AMD Athlon 64 X2 Dual Core 5000+	1313	2128	3.96	$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1381	2092	23.03	$60.00
AMD Athlon 64 X2 Dual Core 5400+	1450	2063	27.37	$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1485	2049	8.25	$179.95
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon 64 X2 Dual Core 5800+	1516	2031	60.68	$24.99*
AMD Athlon 64 X2 Dual Core 6000+	1603	1993	34.90	$45.95
AMD Athlon 64 X2 Dual Core 6400+	1784	1891	6.87	$259.95
AMD Athlon 64 X2 Dual Core BE-230	1095	2257	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2268	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2285	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2410	28.02	$29.97*
AMD Athlon 64 X2 Dual Core TK-55	839	2412	14.53	$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2334	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2390	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	820	2419	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	870	2393	11.97	$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	924	2369	NA	NA
AMD Athlon 64 X2 QL-60	925	2367	NA	NA
AMD Athlon 64 X2 QL-62	1005	2308	NA	NA
AMD Athlon 64 X2 QL-64	990	2323	NA	NA

AMD Athlon 64 X2 QL-65	1050	2283	NA	NA
AMD Athlon 64 X2 QL-66	947	2356	NA	NA
AMD Athlon 64 X2 QL-67	1006	2307	NA	NA
AMD Athlon 64 X2 TK-55	955	2347	NA	NA
AMD Athlon 64 X2 TK-57	988	2324	NA	NA
AMD Athlon 200GE	4955	950	75.18	$65.92
AMD Athlon 220GE	5237	895	75.27	$69.58
AMD Athlon 240GE	5478	856	87.39	$62.69
AMD Athlon 300U	4646	1007	NA	NA
AMD Athlon 1500+	294	2818	NA	NA
AMD Athlon 1640B	670	2489	13.42	$50.00*
AMD Athlon 2000+	390	2709	NA	NA
AMD Athlon 2100+	412	2671	NA	NA
AMD Athlon 2200+	363	2738	4.55	$79.99*
AMD Athlon 2400+	462	2621	NA	NA
AMD Athlon 2500+	374	2718	2.04	$183.99*
AMD Athlon 2600+	444	2642	4.23	$104.95*
AMD Athlon 2650e	407	2678	21.47	$19.00*
AMD Athlon 2800+	447	2637	3.20	$139.95*
AMD Athlon 2850e	506	2580	NA	NA
AMD Athlon 3100+	485	2599	NA	NA
AMD Athlon 3200+	458	2625	7.63	$60.00*
AMD Athlon 5000 Dual-Core	1292	2141	10.78	$119.95
AMD Athlon 5150 APU	2107	1740	13.18	$159.95
AMD Athlon 5200 Dual-Core	1266	2164	42.23	$29.99*
AMD Athlon 5350 APU	2609	1543	22.25	$117.27
AMD Athlon 5370 APU	2915	1442	45.77	$63.70*
AMD Athlon 7450 Dual-Core	1449	2064	NA	NA
AMD Athlon 7550 Dual-Core	1472	2053	24.54	$60.00*
AMD Athlon 7750 Dual-Core	1570	2006	10.27	$152.99
AMD Athlon 7850 Dual-Core	1710	1927	8.16	$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2829	NA	NA
AMD Athlon Dual Core 4050e	1086	2263	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon Dual Core 4450B	1168	2218	37.69	$31.00*
AMD Athlon Dual Core 4450e	1108	2249	NA	NA
AMD Athlon Dual Core 4850B	1391	2086	NA	NA
AMD Athlon Dual Core 4850e	1314	2127	33.71	$39.00*
AMD Athlon Dual Core 5000B	1308	2131	13.77	$95.00*
AMD Athlon Dual Core 5050e	1343	2113	22.39	$60.00*

AMD Athlon Dual Core 5200B	1316	2126	NA	NA
AMD Athlon Dual Core 5400B	1420	2075	NA	NA
AMD Athlon Dual Core 5600B	1304	2134	NA	NA
AMD Athlon II 160u	563	2544	18.78	$29.99*
AMD Athlon II 170u	626	2510	20.91	$29.95*
AMD Athlon II Dual-Core M300	1112	2246	NA	NA
AMD Athlon II Dual-Core M320	1141	2235	38.05	$30.00*
AMD Athlon II Dual-Core M340	1056	2280	NA	NA
AMD Athlon II N330 Dual-Core	1154	2227	NA	NA
AMD Athlon II N350 Dual-Core	1249	2176	NA	NA
AMD Athlon II N370 Dual-Core	1559	2011	NA	NA
AMD Athlon II Neo K125	477	2607	NA	NA
AMD Athlon II Neo K145	525	2563	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2438	29.84	$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2402	NA	NA
AMD Athlon II Neo N36L Dual-Core	795	2432	NA	NA
AMD Athlon II P320 Dual-Core	1216	2188	40.61	$29.95*
AMD Athlon II P340 Dual-Core	1250	2174	27.82	$44.95*
AMD Athlon II P360 Dual-Core	1319	2125	55.00	$24.00*
AMD Athlon II X2 210e	1486	2047	NA	NA
AMD Athlon II X2 215	1566	2009	130.68	$11.99*
AMD Athlon II X2 220	1635	1978	50.79	$32.19
AMD Athlon II X2 225	1526	2024	NA	NA
AMD Athlon II X2 235e	1657	1966	9.11	$181.88*
AMD Athlon II X2 240	1643	1973	47.02	$34.95
AMD Athlon II X2 240e	1700	1938	48.64	$34.95*
AMD Athlon II X2 245	1662	1964	47.56	$34.95*
AMD Athlon II X2 245e	1709	1930	21.37	$80.00*
AMD Athlon II X2 250	1740	1909	44.70	$38.95
AMD Athlon II X2 250e	1939	1813	25.28	$76.73*
AMD Athlon II X2 250u	1004	2309	28.74	$34.95*
AMD Athlon II X2 255	1841	1866	28.24	$65.22*
AMD Athlon II X2 260	1877	1847	93.92	$19.99*
AMD Athlon II X2 260u	1107	2252	13.28	$83.44*
AMD Athlon II X2 265	1892	1839	22.84	$82.88*
AMD Athlon II X2 270	1975	1794	82.35	$23.99*
AMD Athlon II X2 270u	1285	2150	18.99	$67.67*
AMD Athlon II X2 280	2129	1730	21.30	$99.99*
AMD Athlon II X2 4300e	1483	2050	NA	NA
AMD Athlon II X2 4400e	1632	1980	NA	NA

AMD Athlon II X2 4450e	1504	2038	NA	NA
AMD Athlon II X2 B22	1715	1922	41.16	$41.69*
AMD Athlon II X2 B24	1780	1893	44.57	$39.95
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon II X2 B26	1906	1832	42.42	$44.95
AMD Athlon II X2 B28	2085	1750	42.52	$49.05*
AMD Athlon II X3 400e	2009	1781	18.70	$107.43*
AMD Athlon II X3 405e	2000	1786	25.00	$79.99*
AMD Athlon II X3 415e	2247	1684	29.97	$75.00*
AMD Athlon II X3 420e	2285	1664	19.68	$116.15*
AMD Athlon II X3 425	2314	1650	85.74	$26.99*
AMD Athlon II X3 425e	2239	1690	NA	NA
AMD Athlon II X3 435	2471	1597	82.41	$29.99*
AMD Athlon II X3 440	2567	1560	95.12	$26.99*
AMD Athlon II X3 445	2574	1557	28.29	$91.00*
AMD Athlon II X3 450	2621	1540	68.97	$38.01
AMD Athlon II X3 455	2765	1496	70.92	$38.99*
AMD Athlon II X3 460	2864	1464	73.46	$38.99*
AMD Athlon II X4 553	3814	1180	NA	NA
AMD Athlon II X4 555	3830	1175	NA	NA
AMD Athlon II X4 559	4125	1118	NA	NA
AMD Athlon II X4 600e	2465	1600	18.93	$130.23*
AMD Athlon II X4 605e	2716	1513	26.69	$101.80*
AMD Athlon II X4 610e	2793	1486	39.92	$69.99*
AMD Athlon II X4 615e	2899	1454	49.15	$59.00*
AMD Athlon II X4 620	2928	1439	48.86	$59.95
AMD Athlon II X4 620e	2906	1447	NA	NA
AMD Athlon II X4 630	3130	1370	49.73	$62.95
AMD Athlon II X4 631 Quad-Core	3146	1366	39.33	$80.00*
AMD Athlon II X4 635	3231	1332	46.20	$69.95*
AMD Athlon II X4 638 Quad-Core	3198	1343	120.73	$26.49*
AMD Athlon II X4 640	3315	1309	41.46	$79.95
AMD Athlon II X4 641 Quad-Core	3343	1301	36.54	$91.50*
AMD Athlon II X4 645	3466	1272	43.35	$79.95
AMD Athlon II X4 650	3482	1267	20.90	$166.60*
AMD Athlon II X4 651 Quad-Core	3575	1242	20.08	$178.04*
AMD Athlon II X4 655	2998	1413	NA	NA
AMD Athlon II X4 6400e	2594	1547	NA	NA
AMD Athlon L110	303	2799	NA	NA

AMD Athlon LE-1600	557	2546	26.57	$21.00*
AMD Athlon LE-1620	578	2535	32.12	$18.00*
AMD Athlon LE-1640	626	2509	NA	NA
AMD Athlon LE-1660	679	2486	NA	NA
AMD Athlon MP	230	2900	18.46	$12.49
AMD Athlon MP 1700+	339	2760	NA	NA
AMD Athlon MP 2400+	436	2651	NA	NA
AMD Athlon MP 2800+	497	2586	NA	NA
AMD Athlon Neo MV-40	410	2674	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2312	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2437	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2414	NA	NA
AMD Athlon PRO 200GE	5163	907	NA	NA
AMD Athlon PRO 300GE	5560	846	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon QI-46	473	2611	NA	NA
AMD Athlon TF-20	413	2670	NA	NA
AMD Athlon TF-36	395	2697	NA	NA
AMD Athlon X2 215	1543	2017	NA	NA
AMD Athlon X2 235e	1806	1882	NA	NA
AMD Athlon X2 240	1611	1989	NA	NA
AMD Athlon X2 240e	1670	1955	NA	NA
AMD Athlon X2 250	1696	1941	NA	NA
AMD Athlon X2 255	1627	1982	NA	NA
AMD Athlon X2 280	2303	1658	68.77	$33.49*
AMD Athlon X2 340 Dual Core	1932	1819	38.66	$49.99*
AMD Athlon X2 370K Dual Core	2251	1682	NA	NA
AMD Athlon X2 440	1424	2074	NA	NA
AMD Athlon X2 Dual Core 3250e	778	2436	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2316	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2373	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2248	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2189	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2172	NA	NA
AMD Athlon X2 Dual Core L310	645	2499	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2305	NA	NA
AMD Athlon X3 425	2191	1708	NA	NA
AMD Athlon X3 435	2574	1558	26.96	$95.49*
AMD Athlon X3 440	2078	1752	23.62	$87.99*
AMD Athlon X3 445	2314	1649	NA	NA

AMD Athlon X3 455	2401	1621	NA	NA
AMD Athlon X4 605e	2505	1585	NA	NA
AMD Athlon X4 620	2861	1465	47.74	$59.95
AMD Athlon X4 635	2891	1457	23.71	$121.99*
AMD Athlon X4 640	3172	1351	NA	NA
AMD Athlon X4 740 Quad Core	4031	1133	14.55	$277.00*
AMD Athlon X4 750 Quad Core	4551	1028	NA	NA
AMD Athlon X4 750K Quad Core	4273	1087	55.50	$76.99*
AMD Athlon X4 760K Quad Core	4597	1020	109.51	$41.98*
AMD Athlon X4 830	4701	995	NA	NA
AMD Athlon X4 840	5071	922	64.41	$78.74*
AMD Athlon X4 845	5408	867	101.80	$53.13*
AMD Athlon X4 860K	5410	866	40.09	$134.95*
AMD Athlon X4 870K	5320	888	66.52	$79.99*
AMD Athlon X4 880K	5580	842	55.81	$99.99*
AMD Athlon X4 950	5225	896	64.52	$80.99
AMD Athlon XP1600+	281	2842	NA	NA
AMD Athlon XP1900+	353	2747	NA	NA
AMD Athlon XP2100+	287	2831	NA	NA
AMD Athlon XP2200+	401	2689	NA	NA
AMD Athlon XP2400+	374	2719	NA	NA
AMD Athlon XP 1500	282	2841	NA	NA
AMD Athlon XP 1500+	257	2871	NA	NA
AMD Athlon XP 1600+	267	2861	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon XP 1700	344	2757	NA	NA
AMD Athlon XP 1700+	271	2856	4.43	$61.25*
AMD Athlon XP 1800+	300	2806	5.10	$58.95*
AMD Athlon XP 1900+	312	2790	NA	NA
AMD Athlon XP 2000+	299	2807	12.00	$24.99*
AMD Athlon XP 2100+	323	2774	NA	NA
AMD Athlon XP 2200+	328	2773	3.87	$84.95*
AMD Athlon XP 2300+	464	2617	NA	NA
AMD Athlon XP 2400+	360	2740	4.01	$89.99*
AMD Athlon XP 2500+	355	2744	NA	NA
AMD Athlon XP 2600+	372	2724	16.18	$23.03*
AMD Athlon XP 2700+	393	2700	4.64	$84.79*
AMD Athlon XP 2800+	400	2691	NA	NA
AMD Athlon XP 2900+	424	2664	NA	NA

AMD Athlon XP 3000+	402	2687	5.06	$79.70*
AMD Athlon XP 3100+	433	2655	NA	NA
AMD Athlon XP 3200+	432	2656	NA	NA
AMD Athlon XP 3400+	570	2541	NA	NA
AMD Athlon XP Pro3+	367	2731	NA	NA
AMD Athlon XP-M	541	2555	15.48	$34.95*
AMD C-30	310	2792	NA	NA
AMD C-50	462	2620	NA	NA
AMD C-60	466	2614	NA	NA
AMD C-60 APU	545	2549	NA	NA
AMD C-70 APU	558	2545	NA	NA
AMD E1 Micro-6200T APU	960	2344	NA	NA
AMD E1-1200 APU	655	2496	NA	NA
AMD E1-1500 APU	688	2481	NA	NA
AMD E1-2100 APU	642	2504	NA	NA
AMD E1-2200 APU	767	2440	NA	NA
AMD E1-2500 APU	896	2387	NA	NA
AMD E1-6010 APU	868	2394	NA	NA
AMD E1-6015 APU	900	2383	NA	NA
AMD E1-7010 APU	1018	2301	NA	NA
AMD E2-1800 APU	814	2420	NA	NA
AMD E2-2000 APU	825	2416	NA	NA
AMD E2-3000 APU	1140	2236	NA	NA
AMD E2-3000M APU	1093	2258	54.65	$20.00*
AMD E2-3200 APU	1380	2093	172.79	$7.99*
AMD E2-3800 APU	1645	1971	NA	NA
AMD E2-6110 APU	1917	1828	NA	NA
AMD E2-7110 APU	2290	1660	NA	NA
AMD E2-9000	1650	1970	NA	NA
AMD E2-9000e	1324	2123	NA	NA
AMD E2-9010	1705	1933	NA	NA
AMD E2-9030	1515	2033	NA	NA
AMD E-240	319	2780	NA	NA
AMD E-300 APU	609	2516	NA	NA
AMD E-350	745	2454	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD E-350 APU	759	2446	NA	NA
AMD E-350D APU	726	2461	NA	NA
AMD E-450 APU	765	2441	NA	NA
AMD Embedded G-Series GX-215JJ	1764	1898	NA	NA

Radeon R2E				
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1747	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2508	1583	NA	NA
AMD Embedded R-Series RX-216GD	2409	1618	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	923	NA	NA
AMD Embedded R-Series RX-421BD	4635	1009	NA	NA
AMD EPYC 3201	9634	419	NA	NA
AMD EPYC 3251	11690	290	37.11	$315.00*
AMD EPYC 7251	11811	285	22.43	$526.59
AMD EPYC 7301	14978	183	14.12	$1,060.95
AMD EPYC 7351	18081	112	14.16	$1,276.83
AMD EPYC 7351P	14887	185	15.71	$947.33
AMD EPYC 7371	22071	52	14.24	$1,550.00*
AMD EPYC 7401P	20221	77	21.42	$943.88
AMD EPYC 7451	15802	164	6.63	$2,382.37
AMD EPYC 7501	18942	100	9.19	$2,060.86
AMD EPYC 7502P	23465	43	10.20	$2,300.00*
AMD EPYC 7551	18483	104	13.02	$1,419.90
AMD EPYC 7551P	18443	106	8.95	$2,060.00
AMD EPYC 7571	20858	70	NA	NA
AMD EPYC 7702P	46067	2	10.41	$4,425.00*
AMD EPYC 7742	47365	1	6.82	$6,950.00*
AMD FirePro A320 APU	4540	1033	NA	NA
AMD FX-670K Quad-Core	4550	1030	NA	NA
AMD FX-770K Quad-Core	4811	977	NA	NA
AMD FX-870K Quad Core	5021	937	NA	NA
AMD FX-4100 Quad-Core	4076	1125	26.57	$153.45*
AMD FX-4130 Quad-Core	4162	1110	54.78	$75.99*
AMD FX-4150 Quad-Core	4594	1021	NA	NA
AMD FX-4170 Quad-Core	4870	964	48.71	$99.99*
AMD FX-4200 Quad-Core	4270	1089	18.71	$228.21*
AMD FX-4300 Quad-Core	4695	997	33.06	$142.00
AMD FX-4320	5004	941	NA	NA
AMD FX-4330	5328	884	NA	NA
AMD FX-4350 Quad-Core	5340	880	12.42	$430.00
AMD FX-6100 Six-Core	5405	869	20.95	$258.00*
AMD FX-6120 Six-Core	5753	822	NA	NA
AMD FX-6130 Six-Core	6215	765	NA	NA
AMD FX-6200 Six-Core	6107	778	17.97	$339.95

AMD FX-6300 Six-Core	6408	749	34.93	$183.46
AMD FX-6330 Six-Core	6954	693	NA	NA
AMD FX-6350 Six-Core	7024	685	48.45	$144.99
AMD FX-7500 APU	3203	1339	NA	NA
AMD FX-7600P	4050	1128	NA	NA
AMD FX-7600P APU	4627	1011	NA	NA
AMD FX-8100 Eight-Core	5884	801	41.44	$142.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD FX-8120 Eight-Core	6640	728	29.81	$222.73*
AMD FX-8140 Eight-Core	6133	774	NA	NA
AMD FX-8150 Eight-Core	7655	627	5.30	$1,443.99
AMD FX-8300 Eight-Core	7768	616	64.75	$119.99*
AMD FX-8310 Eight-Core	7735	619	NA	NA
AMD FX-8320 Eight-Core	8037	581	58.24	$138.01
AMD FX-8320E Eight-Core	7579	636	31.68	$239.24
AMD FX-8350 Eight-Core	8957	491	45.24	$198.00
AMD FX-8370 Eight-Core	9046	480	26.17	$345.74*
AMD FX-8370E Eight-Core	7865	602	24.57	$320.09
AMD FX-8800P	4199	1102	NA	NA
AMD FX-9370 Eight-Core	9460	435	49.80	$189.99
AMD FX-9590 Eight-Core	10192	364	27.91	$365.25
AMD FX-9800P	3956	1146	NA	NA
AMD FX-9830P	4783	982	NA	NA
AMD FX-B4150 Quad-Core	4611	1015	NA	NA
AMD G-T40E	467	2613	NA	NA
AMD G-T40N	516	2572	NA	NA
AMD G-T40R	203	2927	NA	NA
AMD G-T44R	229	2901	NA	NA
AMD G-T48E	667	2491	NA	NA
AMD G-T52R	308	2794	NA	NA
AMD G-T56E	751	2449	NA	NA
AMD G-T56N	796	2431	NA	NA
AMD Geode NX	264	2864	NA	NA
AMD Geode NX 1750	291	2820	NA	NA
AMD GX-210JA SOC	401	2690	NA	NA
AMD GX-212JC SOC	744	2455	NA	NA
AMD GX-217GA SOC	1107	2253	NA	NA
AMD GX-218GL SOC	1207	2193	NA	NA
AMD GX-222GC SOC	1255	2168	NA	NA

AMD GX-412HC	1497	2044	NA	NA
AMD GX-415GA SOC	1956	1803	NA	NA
AMD GX-420CA SOC	2412	1617	NA	NA
AMD GX-424CC SOC	2491	1591	NA	NA
AMD K7	403	2684	NA	NA
AMD Opteron 140	396	2695	0.62	$640.00
AMD Opteron 142	428	2660	NA	NA
AMD Opteron 144	486	2595	7.48	$65.00*
AMD Opteron 146	532	2558	8.87	$59.99*
AMD Opteron 148	603	2521	NA	NA
AMD Opteron 150	604	2519	NA	NA
AMD Opteron 152	658	2493	NA	NA
AMD Opteron 154	703	2474	NA	NA
AMD Opteron 165	899	2385	1.63	$550.00
AMD Opteron 170	1097	2255	NA	NA
AMD Opteron 175	1167	2220	NA	NA
AMD Opteron 180	1236	2179	9.51	$129.95*
AMD Opteron 185	1342	2114	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 246	632	2507	31.62	$19.99*
AMD Opteron 248	476	2608	4.77	$99.95
AMD Opteron 250	649	2497	59.01	$11.00*
AMD Opteron 252	760	2445	12.00	$63.36*
AMD Opteron 254	693	2478	NA	NA
AMD Opteron 256	963	2338	50.72	$19.00*
AMD Opteron 265	963	2339	13.20	$73.00
AMD Opteron 270	1170	2216	1.93	$607.47*
AMD Opteron 275	1291	2143	15.74	$82.05*
AMD Opteron 280	1176	2210	18.10	$65.00
AMD Opteron 285	1470	2055	18.39	$79.95
AMD Opteron 290	1464	2057	10.85	$135.00*
AMD Opteron 1210	923	2370	14.21	$65.00
AMD Opteron 1210 HE	971	2333	NA	NA
AMD Opteron 1212	1009	2306	3.48	$290.00*
AMD Opteron 1212 HE	1308	2132	NA	NA
AMD Opteron 1214	1191	2203	4.11	$290.00*
AMD Opteron 1214 HE	1299	2136	NA	NA
AMD Opteron 1216	1311	2130	23.91	$54.85*
AMD Opteron 1216 HE	1172	2215	NA	NA
AMD Opteron 1218	1468	2056	NA	NA

AMD Opteron 1218 HE	1444	2065	NA	NA
AMD Opteron 1220	1653	1968	NA	NA
AMD Opteron 1222	1757	1902	NA	NA
AMD Opteron 1352	2316	1648	17.04	$135.99*
AMD Opteron 1354	2630	1537	19.49	$135.00*
AMD Opteron 1356	2765	1495	30.73	$89.99*
AMD Opteron 1381	3065	1392	NA	NA
AMD Opteron 2212	1270	2162	63.53	$20.00*
AMD Opteron 2214	1358	2108	46.85	$29.00*
AMD Opteron 2214 HE	1415	2077	NA	NA
AMD Opteron 2216	1518	2030	58.84	$25.80
AMD Opteron 2218	1594	1999	19.94	$79.95
AMD Opteron 2220	1701	1936	21.29	$79.95
AMD Opteron 2220 SE	1398	2082	55.92	$25.00*
AMD Opteron 2222	1843	1865	1.11	$1,664.98*
AMD Opteron 2224 SE	1919	1824	NA	NA
AMD Opteron 2350	2820	1477	35.28	$79.95*
AMD Opteron 2354	2450	1605	7.38	$332.03*
AMD Opteron 2356	2814	1478	54.12	$52.00*
AMD Opteron 2373 EE	2789	1489	NA	NA
AMD Opteron 2374 HE	2951	1428	45.40	$65.00
AMD Opteron 2376	2283	1665	13.69	$166.81*
AMD Opteron 2378	3179	1349	17.76	$179.00*
AMD Opteron 2380	2640	1534	58.69	$45.00
AMD Opteron 2384	3538	1249	4.21	$840.00*
AMD Opteron 2386 SE	3538	1250	NA	NA
AMD Opteron 2393 SE	2246	1685	NA	NA
AMD Opteron 2427	3069	1390	38.39	$79.95
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 2431	4516	1036	112.91	$40.00*
AMD Opteron 2435	4708	994	72.44	$65.00
AMD Opteron 3250 HE	2942	1432	29.73	$99.00*
AMD Opteron 3260 HE	3259	1322	NA	NA
AMD Opteron 3280	5403	870	19.78	$273.18*
AMD Opteron 3320 EE	2675	1523	NA	NA
AMD Opteron 3350 HE	4186	1105	NA	NA
AMD Opteron 3365	6088	786	NA	NA
AMD Opteron 3380	6384	751	7.89	$809.00*
AMD Opteron 4122	2942	1433	23.55	$124.99*

AMD Opteron 4162 EE	3166	1354	NA	NA
AMD Opteron 4170 HE	3664	1223	62.11	$59.00*
AMD Opteron 4184	4418	1059	8.50	$519.95*
AMD Opteron 4280	6430	746	128.60	$50.00*
AMD Opteron 4284	6660	725	111.03	$59.99*
AMD Opteron 4332 HE	5614	837	NA	NA
AMD Opteron 4334	6099	782	28.18	$216.42*
AMD Opteron 4365 EE	5025	935	NA	NA
AMD Opteron 4386	6761	711	48.30	$139.99*
AMD Opteron 6128	4505	1039	237.24	$18.99
AMD Opteron 6134	2938	1434	66.81	$43.99*
AMD Opteron 6136	4631	1010	42.10	$110.00*
AMD Opteron 6164 HE	5351	879	NA	NA
AMD Opteron 6172	5261	891	26.57	$198.00*
AMD Opteron 6174	6171	769	94.94	$65.00
AMD Opteron 6176 SE	5465	863	34.37	$159.00*
AMD Opteron 6212	5776	815	192.62	$29.99*
AMD Opteron 6220	6785	707	113.11	$59.99*
AMD Opteron 6234	5938	796	198.27	$29.95*
AMD Opteron 6238	7673	626	21.32	$359.89*
AMD Opteron 6272	6748	714	96.42	$69.99
AMD Opteron 6274	4865	967	108.15	$44.99
AMD Opteron 6276	8889	501	52.60	$169.00
AMD Opteron 6282 SE	9116	469	14.24	$640.00
AMD Opteron 6287 SE	9789	403	NA	NA
AMD Opteron 6328	7813	609	21.76	$359.00
AMD Opteron 6344	9372	443	24.09	$389.00*
AMD Opteron 6366 HE	7503	639	250.19	$29.99*
AMD Opteron 6376	9212	462	141.72	$65.00
AMD Opteron 6378	9094	470	47.87	$190.00
AMD Opteron 6380	10081	373	170.88	$59.00
AMD Opteron 6386 SE	10912	318	75.26	$144.99
AMD Opteron 8354	2255	1681	93.98	$24.00
AMD Opteron 8439 SE	3813	1181	63.56	$60.00*
AMD Opteron X2170 APU	3059	1393	NA	NA
AMD Opteron X3216 APU	2292	1659	NA	NA
AMD Opteron X3418 APU	4659	1002	NA	NA
AMD Opteron X3421 APU	4886	962	NA	NA
AMD Phenom 2 X4 12000	3005	1410	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom 7950 Quad-Core	2991	1415	NA	NA
AMD Phenom 8250 Triple-Core	1668	1956	NA	NA
AMD Phenom 8250e Triple-Core	1635	1976	34.81	$46.99*
AMD Phenom 8400 Triple-Core	1632	1979	NA	NA
AMD Phenom 8450 Triple-Core	1888	1843	63.07	$29.95*
AMD Phenom 8450e Triple-Core	2026	1775	NA	NA
AMD Phenom 8600 Triple-Core	1673	1952	31.57	$52.99*
AMD Phenom 8600B Triple-Core	1924	1823	36.33	$52.99*
AMD Phenom 8650 Triple-Core	1986	1789	39.73	$49.99*
AMD Phenom 8750 Triple-Core	2058	1765	NA	NA
AMD Phenom 8750B Triple-Core	2034	1770	NA	NA
AMD Phenom 8850 Triple-Core	1968	1800	NA	NA
AMD Phenom 8850B Triple-Core	2080	1751	NA	NA
AMD Phenom 9100e Quad-Core	1833	1872	45.89	$39.95*
AMD Phenom 9150e Quad-Core	2114	1738	52.92	$39.95*
AMD Phenom 9350e Quad-Core	2320	1646	0.69	$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1545	24.76	$105.00*
AMD Phenom 9500 Quad-Core	2203	1703	76.01	$28.99*
AMD Phenom 9550 Quad-Core	2544	1569	87.77	$28.99*
AMD Phenom 9600 Quad-Core	2303	1657	46.11	$49.95*
AMD Phenom 9600B Quad-Core	2575	1555	17.50	$147.19*
AMD Phenom 9650 Quad-Core	2635	1535	58.63	$44.95
AMD Phenom 9750 Quad-Core	2810	1481	95.32	$29.49*
AMD Phenom 9750B Quad-Core	2709	1515	NA	NA
AMD Phenom 9850 Quad-Core	2887	1459	24.07	$119.99*
AMD Phenom 9850B Quad-Core	3160	1359	NA	NA
AMD Phenom 9950 Quad-Core	3009	1407	22.29	$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1577	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1430	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1228	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1265	NA	NA
AMD Phenom II N620 Dual-Core	1686	1945	422.70	$3.99*
AMD Phenom II N640 Dual-Core	1721	1918	26.51	$64.95*
AMD Phenom II N660 Dual-Core	1844	1863	18.64	$99.00*
AMD Phenom II N830 3+1	2652	1530	NA	NA
AMD Phenom II N830 Triple-Core	1890	1842	NA	NA
AMD Phenom II N850 Triple-Core	1934	1816	77.36	$25.00*
AMD Phenom II N870 Triple-Core	2000	1785	NA	NA

AMD Phenom II N930 Quad-Core	2274	1669	17.50	$129.95*
AMD Phenom II N950 Quad-Core	2483	1595	22.06	$112.60*
AMD Phenom II N970 Quad-Core	2515	1579	16.77	$149.99*
AMD Phenom II P650 Dual-Core	1579	2003	45.12	$35.00*
AMD Phenom II P820 Triple-Core	1602	1994	NA	NA
AMD Phenom II P840 Triple-Core	1713	1925	NA	NA
AMD Phenom II P860 Triple-Core	1756	1903	NA	NA
AMD Phenom II P920 Quad-Core	1866	1853	24.89	$75.00*
AMD Phenom II P940 Quad-Core	1831	1873	NA	NA
AMD Phenom II P960 Quad-Core	2086	1748	74.51	$28.00*
AMD Phenom II X2 511	2104	1741	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom II X2 521	2071	1755	NA	NA
AMD Phenom II X2 545	1918	1826	43.62	$43.98*
AMD Phenom II X2 550	2023	1776	40.48	$49.99*
AMD Phenom II X2 555	2042	1767	73.01	$27.98*
AMD Phenom II X2 560	2062	1760	31.73	$64.99*
AMD Phenom II X2 565	2225	1696	10.60	$209.95*
AMD Phenom II X2 570	2068	1758	NA	NA
AMD Phenom II X2 B53	1709	1929	NA	NA
AMD Phenom II X2 B55	1926	1822	40.17	$47.95
AMD Phenom II X2 B57	1823	1877	NA	NA
AMD Phenom II X2 B59	2124	1733	48.25	$44.04*
AMD Phenom II X3 700e	2242	1688	NA	NA
AMD Phenom II X3 705e	2227	1693	14.63	$152.34*
AMD Phenom II X3 710	2448	1606	28.97	$84.53*
AMD Phenom II X3 715	2649	1532	31.17	$84.99*
AMD Phenom II X3 720	2666	1525	38.10	$69.99*
AMD Phenom II X3 740	2985	1416	33.55	$88.99*
AMD Phenom II X3 B73	2735	1508	36.47	$75.00*
AMD Phenom II X3 B75	2897	1455	72.45	$39.99*
AMD Phenom II X3 B77	3067	1391	137.64	$22.29*
AMD Phenom II X4 805	2998	1412	17.23	$173.99*
AMD Phenom II X4 810	3120	1374	26.90	$115.99*
AMD Phenom II X4 820	3393	1287	45.28	$74.95*
AMD Phenom II X4 830	3434	1278	42.95	$79.95*
AMD Phenom II X4 840	3508	1261	39.01	$89.95*
AMD Phenom II X4 840T	3597	1234	51.39	$69.99*
AMD Phenom II X4 850	3547	1244	54.59	$64.99*
AMD Phenom II X4 900e	2882	1462	NA	NA

AMD Phenom II X4 905e	3080	1386	57.06	$53.99*
AMD Phenom II X4 910	3247	1326	32.48	$100.00*
AMD Phenom II X4 910e	3254	1324	20.73	$156.99*
AMD Phenom II X4 920	3389	1288	42.38	$79.99*
AMD Phenom II X4 925	3411	1281	77.56	$43.99*
AMD Phenom II X4 940	3590	1238	60.51	$59.34*
AMD Phenom II X4 945	3653	1225	56.24	$64.95*
AMD Phenom II X4 955	3916	1162	30.09	$130.16*
AMD Phenom II X4 960T	3774	1188	8.05	$469.00
AMD Phenom II X4 965	4177	1108	49.73	$84.01
AMD Phenom II X4 970	4316	1082	29.14	$148.11*
AMD Phenom II X4 973	3759	1195	NA	NA
AMD Phenom II X4 975	4450	1053	31.86	$139.69*
AMD Phenom II X4 977	3750	1199	NA	NA
AMD Phenom II X4 980	4488	1044	19.52	$229.99*
AMD Phenom II X4 8700e	2377	1631	NA	NA
AMD Phenom II X4 B05e	2792	1487	NA	NA
AMD Phenom II X4 B15e	2736	1507	NA	NA
AMD Phenom II X4 B25	3297	1314	NA	NA
AMD Phenom II X4 B35	3387	1290	NA	NA
AMD Phenom II X4 B40	3352	1297	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom II X4 B45	3470	1271	NA	NA
AMD Phenom II X4 B50	3696	1212	NA	NA
AMD Phenom II X4 B55	3853	1169	NA	NA
AMD Phenom II X4 B60	4032	1132	NA	NA
AMD Phenom II X4 B65	4172	1109	NA	NA
AMD Phenom II X4 B70	4261	1091	NA	NA
AMD Phenom II X4 B93	3345	1299	NA	NA
AMD Phenom II X4 B95	3677	1218	50.40	$72.95*
AMD Phenom II X4 B97	3868	1165	67.87	$56.99*
AMD Phenom II X4 B99	4126	1117	NA	NA
AMD Phenom II X6 1035T	4665	1001	24.68	$189.00*
AMD Phenom II X6 1045T	4799	981	44.43	$108.01*
AMD Phenom II X6 1055T	4965	949	45.53	$109.05*
AMD Phenom II X6 1065T	5028	934	NA	NA
AMD Phenom II X6 1075T	5325	885	47.13	$112.99*
AMD Phenom II X6 1090T	5559	847	36.09	$154.04*
AMD Phenom II X6 1100T	5707	824	32.16	$177.49*

AMD Phenom II X6 1405T	5042	932	NA	NA
AMD Phenom II X620 Dual-Core	2189	1709	NA	NA
AMD Phenom II X640 Dual-Core	2021	1777	NA	NA
AMD Phenom II X920 Quad-Core	2650	1531	NA	NA
AMD Phenom II X940 Quad-Core	2695	1517	NA	NA
AMD Phenom Ultra X4 24500	3945	1152	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1939	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1702	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1906	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2208	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	2067	NA	NA
AMD Phenom X3 8550	1931	1820	11.36	$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1900	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1787	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1691	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1456	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1514	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1519	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2190	NA	NA
AMD PRO A4-3350B APU	2274	1670	NA	NA
AMD PRO A4-4350B	1502	2042	NA	NA
AMD PRO A4-8350B	2776	1492	NA	NA
AMD PRO A6-7350B	2759	1499	NA	NA
AMD PRO A6-8500B	2516	1578	NA	NA
AMD PRO A6-8530B	2388	1627	NA	NA
AMD PRO A6-8550B	2970	1423	NA	NA
AMD PRO A6-8570	3049	1400	NA	NA
AMD PRO A6-8570E	2824	1475	NA	NA
AMD PRO A6-9500	2950	1429	39.88	$74.00*
AMD PRO A6-9500B	2076	1753	NA	NA
AMD PRO A6-9500E	2717	1510	36.73	$74.00*
AMD PRO A8-8600B	3518	1259	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD PRO A8-8650B	5223	897	NA	NA
AMD PRO A8-8670E	5015	939	NA	NA
AMD PRO A8-9600	5277	889	44.35	$119.00*
AMD PRO A8-9600B	3964	1144	NA	NA
AMD PRO A10-8700B	3542	1245	NA	NA
AMD PRO A10-8730B	3953	1148	NA	NA
AMD PRO A10-8750B	5473	859	NA	NA

AMD PRO A10-8770	5707	825	NA	NA
AMD PRO A10-8770E	5035	933	NA	NA
AMD PRO A10-8850B	5852	805	NA	NA
AMD PRO A10-9700	5599	839	33.13	$169.00*
AMD PRO A10-9700B	4380	1066	NA	NA
AMD PRO A10-9700E	5066	924	36.45	$139.00*
AMD PRO A12-8800B	4111	1119	NA	NA
AMD PRO A12-8830B	4259	1092	NA	NA
AMD PRO A12-8870	6067	787	NA	NA
AMD PRO A12-8870E	5186	905	NA	NA
AMD PRO A12-9800	6132	775	36.29	$169.00*
AMD PRO A12-9800B	4095	1122	NA	NA
AMD PRO A12-9800E	4769	985	28.22	$169.00*
AMD QC-4000	1663	1963	NA	NA
AMD R-260H APU	1576	2004	NA	NA
AMD R-460L APU	1954	1806	NA	NA
AMD R-464L APU	3117	1376	NA	NA
AMD RX-427BB	4364	1069	NA	NA
AMD Ryzen 3 1200	6796	706	100.77	$67.44
AMD Ryzen 3 1300X	7558	637	59.06	$127.99
AMD Ryzen 3 2200G	7328	658	93.97	$77.99
AMD Ryzen 3 2200GE	6976	689	NA	NA
AMD Ryzen 3 2200U	4587	1023	NA	NA
AMD Ryzen 3 2300U	6104	779	NA	NA
AMD Ryzen 3 2300X	8335	554	NA	NA
AMD Ryzen 3 3200G	7924	596	91.09	$87.00
AMD Ryzen 3 3200U	4673	999	NA	NA
AMD Ryzen 3 3300U	6143	773	NA	NA
AMD Ryzen 3 PRO 1200	7075	681	NA	NA
AMD Ryzen 3 PRO 1300	7994	587	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	915	NA	NA
AMD Ryzen 3 PRO 2200G	8037	580	NA	NA
AMD Ryzen 3 PRO 2200GE	7477	642	NA	NA
AMD Ryzen 3 PRO 2300U	7063	683	NA	NA
AMD Ryzen 3 PRO 3200G	8415	545	NA	NA
AMD Ryzen 3 PRO 3200GE	8244	560	NA	NA
AMD Ryzen 3 PRO 3300U	6772	709	NA	NA
AMD Ryzen 5 1400	8366	550	62.67	$133.51
AMD Ryzen 5 1500X	10107	372	97.57	$103.60

AMD Ryzen 5 1600	12286	272	122.89	$99.98
AMD Ryzen 5 1600X	13204	240	89.83	$146.99
AMD Ryzen 5 2400G	9324	450	78.35	$119.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen 5 2400GE	9027	481	NA	NA
AMD Ryzen 5 2500U	7351	656	NA	NA
AMD Ryzen 5 2500X	9704	414	NA	NA
AMD Ryzen 5 2600	13513	233	122.86	$109.99
AMD Ryzen 5 2600H	8366	549	NA	NA
AMD Ryzen 5 2600X	14361	199	102.59	$139.99
AMD Ryzen 5 3400G	9962	388	73.25	$136.00
AMD Ryzen 5 3500	14099	208	NA	NA
AMD Ryzen 5 3500U	7879	601	NA	NA
AMD Ryzen 5 3500X	17073	125	NA	NA
AMD Ryzen 5 3550H	8329	555	NA	NA
AMD Ryzen 5 3580U	7896	599	NA	NA
AMD Ryzen 5 3600	19875	81	102.45	$194.00
AMD Ryzen 5 3600X	20448	72	83.81	$243.98
AMD Ryzen 5 PRO 1500	10133	368	NA	NA
AMD Ryzen 5 PRO 1600	12213	277	NA	NA
AMD Ryzen 5 PRO 2400G	9984	384	NA	NA
AMD Ryzen 5 PRO 2400GE	8447	539	NA	NA
AMD Ryzen 5 PRO 2500U	8202	565	NA	NA
AMD Ryzen 5 PRO 2600	14221	202	NA	NA
AMD Ryzen 5 PRO 3400G	10615	339	NA	NA
AMD Ryzen 5 PRO 3400GE	10300	356	NA	NA
AMD Ryzen 5 PRO 3500U	8396	548	NA	NA
AMD Ryzen 5 PRO 3600	21601	59	NA	NA
AMD Ryzen 7 1700	13933	212	54.66	$254.89
AMD Ryzen 7 1700X	14811	187	86.62	$171.00
AMD Ryzen 7 1800X	15541	169	53.59	$289.99
AMD Ryzen 7 2700	15077	180	88.70	$169.99
AMD Ryzen 7 2700E	13410	237	NA	NA
AMD Ryzen 7 2700U	7414	652	NA	NA
AMD Ryzen 7 2700X	16957	128	89.25	$189.99
AMD Ryzen 7 2800H	8498	536	NA	NA
AMD Ryzen 7 3700U	8084	575	NA	NA
AMD Ryzen 7 3700X	23857	41	72.74	$327.99
AMD Ryzen 7 3750H	8905	497	NA	NA
AMD Ryzen 7 3780U	8427	543	NA	NA

AMD Ryzen 7 3800X	24564	34	69.20	$354.99
AMD Ryzen 7 PRO 1700	14112	207	NA	NA
AMD Ryzen 7 PRO 1700X	15324	174	NA	NA
AMD Ryzen 7 PRO 2700	15406	173	NA	NA
AMD Ryzen 7 PRO 2700U	8877	502	NA	NA
AMD Ryzen 7 PRO 2700X	17161	124	NA	NA
AMD Ryzen 7 PRO 3700	25950	22	NA	NA
AMD Ryzen 7 PRO 3700U	8625	526	NA	NA
AMD Ryzen 9 3900	30679	8	NA	NA
AMD Ryzen 9 3900X	31890	6	56.50	$564.47
AMD Ryzen 9 3950X	33751	3	NA	NA
AMD Ryzen 9 PRO 3900	32570	5	NA	NA
AMD Ryzen Embedded R1505G	4578	1024	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen Embedded V1202B	4447	1055	NA	NA
AMD Ryzen Embedded V1605B	7087	679	NA	NA
AMD Ryzen Embedded V1756B	8559	531	NA	NA
AMD Ryzen Embedded V1807B	8528	534	NA	NA
AMD Ryzen Threadripper 1900X	16095	150	100.60	$159.99
AMD Ryzen Threadripper 1920X	20029	79	95.38	$209.99
AMD Ryzen Threadripper 1950X	21934	54	44.76	$489.99*
AMD Ryzen Threadripper 2920X	22021	53	59.53	$369.95
AMD Ryzen Threadripper 2950X	25303	29	37.21	$679.97
AMD Ryzen Threadripper 2970WX	21887	56	23.92	$914.99
AMD Ryzen Threadripper 2990WX	23211	46	13.46	$1,724.99
AMD Ryzen Threadripper 2990X	19227	98	NA	NA
AMD Sempron 130	700	2475	28.03	$24.99*
AMD Sempron 140	739	2457	18.69	$39.59*
AMD Sempron 145	807	2428	8.51	$94.92
AMD Sempron 150	747	2451	16.64	$44.95*
AMD Sempron 200U	267	2860	3.08	$87.00*
AMD Sempron 210U	391	2706	NA	NA
AMD Sempron 240	2110	1739	36.39	$58.00
AMD Sempron 2100+	392	2704	NA	NA
AMD Sempron 2200+	282	2840	9.42	$29.99*
AMD Sempron 2300+	318	2781	7.07	$45.00*
AMD Sempron 2400+	314	2788	12.10	$26.00*
AMD Sempron 2500+	335	2763	6.11	$54.95*
AMD Sempron 2600+	374	2721	10.71	$34.95

AMD Sempron 2650 APU	951	2350	14.65	$64.95
AMD Sempron 2800+	383	2711	6.40	$59.95
AMD Sempron 3000+	408	2677	8.17	$49.95
AMD Sempron 3100+	452	2631	7.53	$60.00*
AMD Sempron 3200+	406	2679	3.10	$131.22*
AMD Sempron 3300+	484	2601	8.07	$60.00
AMD Sempron 3400+	454	2629	15.21	$29.89
AMD Sempron 3500+	379	2714	18.98	$20.00*
AMD Sempron 3600+	483	2603	40.30	$12.00*
AMD Sempron 3800+	554	2547	3.62	$152.92*
AMD Sempron 3850 APU	1715	1923	18.06	$94.98
AMD Sempron Dual Core 2100	936	2362	24.02	$39.00*
AMD Sempron Dual Core 2200	995	2318	NA	NA
AMD Sempron Dual Core 2300	982	2326	23.39	$41.99*
AMD Sempron Dual Core 4700	948	2354	NA	NA
AMD Sempron Dual Core 4900	1081	2269	NA	NA
AMD Sempron LE-250	490	2590	NA	NA
AMD Sempron LE-1100	437	2649	NA	NA
AMD Sempron LE-1150	444	2641	NA	NA
AMD Sempron LE-1200	531	2560	NA	NA
AMD Sempron LE-1250	543	2552	5.44	$99.95*
AMD Sempron LE-1300	595	2524	28.37	$21.00
AMD Sempron LE-1600	535	2557	NA	NA
AMD Sempron LE-1620	635	2505	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Sempron LE-1640	759	2447	NA	NA
AMD Sempron M100	566	2543	47.17	$12.00*
AMD Sempron M120	582	2532	NA	NA
AMD Sempron SI-40	447	2638	37.27	$12.00*
AMD Sempron SI-42	456	2628	15.22	$30.01*
AMD Sempron X2 180	1391	2085	20.05	$69.40*
AMD Sempron X2 190	1534	2022	18.39	$83.44*
AMD Sempron X2 198 Dual-Core	1413	2078	NA	NA
AMD Turion 64 Mobile MK-36	465	2616	NA	NA
AMD Turion 64 Mobile MK-38	513	2573	NA	NA
AMD Turion 64 Mobile ML-28	390	2708	NA	NA
AMD Turion 64 Mobile ML-30	402	2688	NA	NA
AMD Turion 64 Mobile ML-32	402	2686	NA	NA
AMD Turion 64 Mobile ML-34	425	2663	NA	NA
AMD Turion 64 Mobile ML-37	446	2639	2.27	$196.50*

AMD Turion 64 Mobile ML-40	522	2567	NA	NA
AMD Turion 64 Mobile ML-42	615	2514	NA	NA
AMD Turion 64 Mobile ML-44	591	2525	NA	NA
AMD Turion 64 Mobile MT-28	419	2666	NA	NA
AMD Turion 64 Mobile MT-30	378	2715	NA	NA
AMD Turion 64 Mobile MT-32	426	2662	NA	NA
AMD Turion 64 Mobile MT-34	429	2658	NA	NA
AMD Turion 64 Mobile MT-37	484	2600	NA	NA
AMD Turion 64 Mobile MT-40	536	2556	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2453	14.95	$49.99*
AMD Turion 64 X2 Mobile TL-52	763	2442	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2388	63.89	$13.95*
AMD Turion 64 X2 Mobile TL-58	947	2357	NA	NA
AMD Turion 64 X2 Mobile TL-60	998	2315	62.61	$15.95*
AMD Turion 64 X2 Mobile TL-62	1092	2260	3.51	$311.00*
AMD Turion 64 X2 Mobile TL-64	1090	2261	27.69	$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2234	3.02	$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2221	12.92	$90.00*
AMD Turion Dual-Core RM-70	912	2378	36.49	$25.00*
AMD Turion Dual-Core RM-72	860	2397	21.52	$39.99*
AMD Turion Dual-Core RM-74	1016	2303	NA	NA
AMD Turion Dual-Core RM-75	1003	2310	36.53	$27.46*
AMD Turion II Dual-Core Mobile M500	1293	2140	NA	NA
AMD Turion II Dual-Core Mobile M520	1306	2133	18.91	$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2117	NA	NA
AMD Turion II N530 Dual-Core	1567	2008	52.24	$30.00*
AMD Turion II N550 Dual-Core	1521	2025	NA	NA
AMD Turion II Neo K625 Dual-Core	977	2329	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2206	NA	NA
AMD Turion II Neo N40L Dual-Core	930	2365	NA	NA
AMD Turion II Neo N54L Dual-Core	1363	2101	NA	NA
AMD Turion II P520 Dual-Core	1360	2104	NA	NA
AMD Turion II P540 Dual-Core	1432	2070	28.67	$49.95*
AMD Turion II P560 Dual-Core	1515	2032	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Turion II Ultra Dual-Core Mobile M600	1406	2080	52.55	$26.76*
AMD Turion II Ultra Dual-Core Mobile M620	1435	2068	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1670	1954	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	2023	NA	NA

AMD Turion Neo X2 Dual Core L625	813	2424	NA	NA
AMD Turion X2 Dual Core L510	923	2371	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2399	6.48	$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2278	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	994	2322	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1085	2265	4.84	$224.26*
AMD Turion X2 Dual-Core Mobile RM-74	1059	2277	43.31	$24.47*
AMD Turion X2 Dual-Core Mobile RM-75	1120	2239	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2230	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1023	2296	16.51	$62.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2267	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1209	2192	63.72	$18.99*
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	2180	27.43	$45.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1295	2139	23.56	$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1205	2196	30.18	$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2317	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2293	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	2060	NA	NA
AMD V105	299	2808	NA	NA
AMD V120	623	2512	NA	NA
AMD V140	643	2502	12.89	$49.95*
AMD V160	677	2487	NA	NA
AMD Z-01	523	2566	NA	NA
AMD Z-60 APU	500	2583	NA	NA
AMD-K6 3D	90	2984	NA	NA
AMD-K6-III	108	2981	NA	NA
AMD-K7	403	2685	NA	NA
Athlon 64 Dual Core 3800+	1234	2181	NA	NA
Athlon 64 Dual Core 4200+	1156	2225	5.64	$204.95*
Athlon 64 Dual Core 4800+	1370	2098	NA	NA
Athlon 64 Dual Core 5000+	1507	2037	NA	NA
Athlon 64 Dual Core 5400+	1614	1987	NA	NA
Athlon 64 Dual Core 5600+	1548	2015	NA	NA
Athlon Dual Core 4050e	968	2335	NA	NA
Athlon Dual Core 4450e	1204	2197	NA	NA
Athlon Dual Core 4850e	1346	2112	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1469	NA	NA

Celeron Dual-Core T3000 @ 1.80GHz	1086	2264	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1172	2214	27.91	$42.00
Celeron Dual-Core T3300 @ 2.00GHz	1201	2200	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1274	2159	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2194	NA	NA
HP Hexa-Core 2.0GHz	2178	1710	4.32	$504.27*
Intel 2.80GHz	525	2564	NA	NA
Intel 1300 @ 1.66GHz	857	2400	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel 1400 @ 1.83GHz	980	2327	NA	NA
Intel 1500 @ 2.00GHz	1024	2294	NA	NA
Intel Atom 230 @ 1.60GHz	307	2795	NA	NA
Intel Atom 330 @ 1.60GHz	587	2529	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2386	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2343	NA	NA
Intel Atom C2538 @ 2.40GHz	2085	1749	20.05	$104.00*
Intel Atom C2550 @ 2.40GHz	2141	1723	NA	NA
Intel Atom C2558 @ 2.40GHz	2169	1714	15.95	$136.00*
Intel Atom C2750 @ 2.40GHz	3768	1190	16.24	$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1300	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1357	14.72	$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1603	32.73	$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1571	29.52	$86.00*
Intel Atom C3858 @ 2.00GHz	4852	972	14.62	$332.00*
Intel Atom C3958 @ 2.00GHz	6586	732	14.67	$449.00*
Intel Atom D410 @ 1.66GHz	301	2804	0.47	$635.99*
Intel Atom D425 @ 1.80GHz	345	2756	0.35	$992.98*
Intel Atom D510 @ 1.66GHz	658	2495	6.78	$97.16*
Intel Atom D525 @ 1.80GHz	706	2470	NA	NA
Intel Atom D2500 @ 1.86GHz	403	2683	NA	NA
Intel Atom D2550 @ 1.86GHz	683	2485	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2467	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2409	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2464	NA	NA
Intel Atom E660 @ 1.30GHz	271	2855	5.03	$54.00*
Intel Atom E680 @ 1.60GHz	346	2753	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2770	1.58	$209.99
Intel Atom E3825 @ 1.33GHz	579	2534	8.24	$70.32*
Intel Atom E3826 @ 1.46GHz	489	2591	NA	NA

Intel Atom E3827 @ 1.74GHz	849	2405	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2222	NA	NA
Intel Atom E3845 @ 1.91GHz	1504	2039	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1851	NA	NA
Intel Atom E3950 @ 1.60GHz	1876	1848	NA	NA
Intel Atom K510 @ 1.66GHz	658	2494	NA	NA
Intel Atom N270 @ 1.60GHz	269	2859	NA	NA
Intel Atom N280 @ 1.66GHz	282	2837	NA	NA
Intel Atom N435 @ 1.33GHz	261	2867	NA	NA
Intel Atom N450 @ 1.66GHz	296	2814	NA	NA
Intel Atom N455 @ 1.66GHz	283	2836	NA	NA
Intel Atom N470 @ 1.83GHz	332	2769	NA	NA
Intel Atom N475 @ 1.83GHz	314	2786	NA	NA
Intel Atom N550 @ 1.50GHz	524	2565	6.10	$86.00*
Intel Atom N570 @ 1.66GHz	574	2539	6.68	$86.00*
Intel Atom N2100 @ 1.60GHz	302	2800	NA	NA
Intel Atom N2600 @ 1.60GHz	527	2562	NA	NA
Intel Atom N2800 @ 1.86GHz	625	2511	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2374	14.32	$64.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Atom T5700 @ 1.70GHz	2039	1768	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2425	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1600	1995	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1191	2202	8.96	$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1029	2291	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1276	2157	60.77	$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1696	1940	27.11	$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1835	1870	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1890	1841	25.68	$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1894	1837	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2935	4.33	$45.00*
Intel Atom Z515 @ 1.20GHz	218	2911	NA	NA
Intel Atom Z520 @ 1.33GHz	217	2912	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2844	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2750	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2712	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2891	NA	NA
Intel Atom Z2760 @ 1.80GHz	568	2542	NA	NA
Intel Atom Z3735D @ 1.33GHz	937	2361	NA	NA
Intel Atom Z3735E @ 1.33GHz	948	2355	8.10	$117.00*

Intel Atom Z3735F @ 1.33GHz	914	2375	5.04	$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2382	NA	NA
Intel Atom Z3736F @ 1.33GHz	912	2377	NA	NA
Intel Atom Z3740 @ 1.33GHz	1068	2274	NA	NA
Intel Atom Z3740D @ 1.33GHz	1011	2304	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2272	35.98	$30.00*
Intel Atom Z3745D @ 1.33GHz	1018	2302	NA	NA
Intel Atom Z3770 @ 1.46GHz	1252	2171	8.38	$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2429	NA	NA
Intel Atom Z3775 @ 1.46GHz	1275	2158	36.44	$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2154	NA	NA
Intel Atom Z3795 @ 1.60GHz	1804	1883	NA	NA
Intel Celeron 1.70GHz	130	2974	NA	NA
Intel Celeron 1.80GHz	136	2971	NA	NA
Intel Celeron 2.00GHz	182	2947	NA	NA
Intel Celeron 2.10GHz	244	2889	NA	NA
Intel Celeron 2.13GHz	208	2922	NA	NA
Intel Celeron 2.20GHz	213	2917	NA	NA
Intel Celeron 2.26GHz	223	2906	NA	NA
Intel Celeron 2.30GHz	227	2903	NA	NA
Intel Celeron 2.40GHz	217	2913	NA	NA
Intel Celeron 2.50GHz	247	2883	NA	NA
Intel Celeron 2.53GHz	245	2887	NA	NA
Intel Celeron 2.60GHz	238	2893	NA	NA
Intel Celeron 2.66GHz	249	2881	NA	NA
Intel Celeron 2.70GHz	245	2888	NA	NA
Intel Celeron 2.80GHz	254	2873	NA	NA
Intel Celeron 2.93GHz	283	2835	NA	NA
Intel Celeron 3.06GHz	284	2833	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron 3.20GHz	288	2825	NA	NA
Intel Celeron 3.33GHz	333	2767	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2776	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2778	NA	NA
Intel Celeron 420 @ 1.60GHz	450	2633	11.27	$39.99*
Intel Celeron 430 @ 1.80GHz	487	2592	10.33	$47.18
Intel Celeron 440 @ 2.00GHz	544	2550	24.38	$22.33
Intel Celeron 450 @ 2.20GHz	626	2508	20.90	$29.99*
Intel Celeron 530 @ 1.73GHz	474	2610	20.62	$22.99*

Intel Celeron 540 @ 1.86GHz	521	2568	NA	NA
Intel Celeron 550 @ 2.00GHz	517	2570	7.96	$64.95
Intel Celeron 560 @ 2.13GHz	531	2559	6.65	$79.95
Intel Celeron 570 @ 2.26GHz	517	2569	NA	NA
Intel Celeron 600MHz	147	2967	NA	NA
Intel Celeron 723 @ 1.20GHz	390	2707	NA	NA
Intel Celeron 743 @ 1.30GHz	421	2665	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2450	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2728	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2515	NA	NA
Intel Celeron 847 @ 1.10GHz	935	2363	2.97	$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2298	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2232	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2213	39.12	$29.99*
Intel Celeron 877 @ 1.40GHz	1291	2142	NA	NA
Intel Celeron 887 @ 1.50GHz	1280	2153	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2488	23.34	$28.99
Intel Celeron 925 @ 2.30GHz	689	2480	NA	NA
Intel Celeron 1000M @ 1.80GHz	1673	1950	NA	NA
Intel Celeron 1000MHz	213	2916	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1880	NA	NA
Intel Celeron 1007U @ 1.50GHz	1390	2087	7.52	$184.99*
Intel Celeron 1017U @ 1.60GHz	1508	2036	NA	NA
Intel Celeron 1019Y @ 1.00GHz	954	2348	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1692	NA	NA
Intel Celeron 1037U @ 1.80GHz	1736	1914	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2204	NA	NA
Intel Celeron 1066MHz	259	2869	NA	NA
Intel Celeron 1100MHz	174	2953	NA	NA
Intel Celeron 1133MHz	282	2838	NA	NA
Intel Celeron 1200MHz	244	2890	NA	NA
Intel Celeron 1300MHz	288	2827	NA	NA
Intel Celeron 1333MHz	290	2821	NA	NA
Intel Celeron 1400MHz	302	2801	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1638	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1991	18.67	$86.00*
Intel Celeron 2950M @ 2.00GHz	1984	1790	NA	NA
Intel Celeron 2955U @ 1.40GHz	1413	2079	NA	NA
Intel Celeron 2957U @ 1.40GHz	1433	2069	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2247	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 2970M @ 2.20GHz	2312	1652	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	2001	NA	NA
Intel Celeron 2981U @ 1.60GHz	1364	2100	NA	NA
Intel Celeron 3205U @ 1.50GHz	1503	2040	5.24	$287.04*
Intel Celeron 3215U @ 1.70GHz	1652	1969	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1935	NA	NA
Intel Celeron 3765U @ 1.90GHz	1948	1811	NA	NA
Intel Celeron 3855U @ 1.60GHz	1685	1946	NA	NA
Intel Celeron 3865U @ 1.80GHz	1918	1827	NA	NA
Intel Celeron 3867U @ 1.80GHz	1852	1860	17.31	$107.00*
Intel Celeron 3955U @ 2.00GHz	1934	1815	NA	NA
Intel Celeron 3965U @ 2.20GHz	2369	1635	22.14	$107.00*
Intel Celeron 3965Y @ 1.50GHz	1607	1990	15.03	$107.00*
Intel Celeron 4205U @ 1.80GHz	1977	1793	18.48	$107.00*
Intel Celeron @ 1.30GHz	965	2337	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2941	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2422	NA	NA
Intel Celeron B800 @ 1.50GHz	1278	2156	NA	NA
Intel Celeron B810 @ 1.60GHz	1395	2084	NA	NA
Intel Celeron B815 @ 1.60GHz	1363	2102	NA	NA
Intel Celeron B820 @ 1.70GHz	1430	2071	36.42	$39.29*
Intel Celeron B830 @ 1.80GHz	1512	2035	NA	NA
Intel Celeron B840 @ 1.90GHz	1719	1920	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2857	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2802	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2783	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2762	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2682	4.50	$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2604	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2530	NA	NA
Intel Celeron E1200 @ 1.60GHz	860	2398	8.60	$99.99
Intel Celeron E1400 @ 2.00GHz	1053	2281	15.05	$69.99
Intel Celeron E1500 @ 2.20GHz	1168	2217	59.47	$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2167	NA	NA
Intel Celeron E3200 @ 2.40GHz	1382	2090	26.59	$51.99*
Intel Celeron E3300 @ 2.50GHz	1389	2088	55.62	$24.98
Intel Celeron E3400 @ 2.60GHz	1441	2066	2.36	$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	2059	36.37	$39.99*

Intel Celeron G440 @ 1.60GHz	694	2477	13.90	$49.99*
Intel Celeron G460 @ 1.80GHz	1035	2289	15.93	$65.00
Intel Celeron G465 @ 1.90GHz	1064	2275	10.64	$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2137	NA	NA
Intel Celeron G530 @ 2.40GHz	2128	1731	53.22	$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1921	NA	NA
Intel Celeron G540 @ 2.50GHz	2197	1706	48.84	$45.00*
Intel Celeron G540T @ 2.10GHz	2114	1736	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1661	28.63	$80.00
Intel Celeron G550T @ 2.20GHz	2032	1772	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1613	22.23	$109.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G1101 @ 2.27GHz	1667	1958	84.34	$19.77*
Intel Celeron G1610 @ 2.60GHz	2488	1592	52.94	$47.00
Intel Celeron G1610T @ 2.30GHz	2256	1680	56.35	$40.04*
Intel Celeron G1620 @ 2.70GHz	2576	1554	39.65	$64.99
Intel Celeron G1620T @ 2.40GHz	2353	1642	56.03	$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1590	35.63	$69.99
Intel Celeron G1820 @ 2.70GHz	2749	1502	45.83	$59.99
Intel Celeron G1820T @ 2.40GHz	2495	1589	59.42	$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1728	NA	NA
Intel Celeron G1830 @ 2.80GHz	2568	1559	27.05	$94.95*
Intel Celeron G1840 @ 2.80GHz	2860	1466	28.61	$99.98
Intel Celeron G1840T @ 2.50GHz	2554	1564	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1445	36.38	$79.99*
Intel Celeron G3900 @ 2.80GHz	3131	1369	56.94	$54.99
Intel Celeron G3900E @ 2.40GHz	2679	1522	25.05	$107.00*
Intel Celeron G3900T @ 2.60GHz	2925	1441	26.01	$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1548	61.71	$42.00*
Intel Celeron G3920 @ 2.90GHz	3129	1371	27.45	$113.99*
Intel Celeron G3930 @ 2.90GHz	3040	1401	33.94	$89.59
Intel Celeron G3930T @ 2.70GHz	2766	1494	39.64	$69.79*
Intel Celeron G3930TE @ 2.70GHz	2970	1424	70.72	$42.00*
Intel Celeron G3950 @ 3.00GHz	3049	1399	27.97	$109.04
Intel Celeron G4900 @ 3.10GHz	3293	1315	59.89	$54.99
Intel Celeron G4900T @ 2.90GHz	3096	1380	73.72	$42.00*
Intel Celeron G4920 @ 3.20GHz	3220	1337	42.10	$76.50*
Intel Celeron G4930 @ 3.20GHz	3503	1262	71.87	$48.75
Intel Celeron J1750 @ 2.41GHz	1037	2288	NA	NA
Intel Celeron J1800 @ 2.41GHz	1019	2300	NA	NA

Intel Celeron J1850 @ 1.99GHz	1617	1985	NA	NA
Intel Celeron J1900 @ 1.99GHz	1852	1858	NA	NA
Intel Celeron J3060 @ 1.60GHz	978	2328	NA	NA
Intel Celeron J3160 @ 1.60GHz	1798	1886	NA	NA
Intel Celeron J3355 @ 2.00GHz	1155	2226	NA	NA
Intel Celeron J3455 @ 1.50GHz	2114	1737	6.04	$349.99
Intel Celeron J4005 @ 2.00GHz	1551	2014	10.32	$150.35
Intel Celeron J4105 @ 1.50GHz	2642	1533	24.69	$107.00*
Intel Celeron M 1.00GHz	207	2923	1.60	$129.95
Intel Celeron M 1.30GHz	316	2782	NA	NA
Intel Celeron M 1.50GHz	343	2758	NA	NA
Intel Celeron M 1.60GHz	362	2739	NA	NA
Intel Celeron M 1.70GHz	393	2702	NA	NA
Intel Celeron M 360 1.40GHz	328	2772	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2784	NA	NA
Intel Celeron M 420 @ 1.60GHz	334	2766	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2730	NA	NA
Intel Celeron M 440 @ 1.86GHz	392	2703	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2875	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2634	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2657	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron M 530 @ 1.73GHz	462	2619	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2553	NA	NA
Intel Celeron M 600MHz	151	2965	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2627	NA	NA
Intel Celeron M 900MHz	204	2925	NA	NA
Intel Celeron M 1200MHz	275	2853	NA	NA
Intel Celeron M 1300MHz	303	2798	NA	NA
Intel Celeron M 1500MHz	333	2768	NA	NA
Intel Celeron M ULV 800MHz	184	2945	NA	NA
Intel Celeron N2805 @ 1.46GHz	460	2624	NA	NA
Intel Celeron N2806 @ 1.60GHz	802	2430	NA	NA
Intel Celeron N2807 @ 1.58GHz	861	2396	NA	NA
Intel Celeron N2808 @ 1.58GHz	907	2381	NA	NA
Intel Celeron N2810 @ 2.00GHz	787	2435	5.62	$139.99*
Intel Celeron N2815 @ 1.86GHz	857	2401	NA	NA
Intel Celeron N2820 @ 2.13GHz	937	2360	8.53	$109.99
Intel Celeron N2830 @ 2.16GHz	965	2336	NA	NA

Intel Celeron N2840 @ 2.16GHz	1002	2311	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2198	NA	NA
Intel Celeron N2920 @ 1.86GHz	1515	2034	NA	NA
Intel Celeron N2930 @ 1.83GHz	1658	1965	NA	NA
Intel Celeron N2940 @ 1.83GHz	1722	1917	NA	NA
Intel Celeron N3000 @ 1.04GHz	899	2384	NA	NA
Intel Celeron N3010 @ 1.04GHz	973	2331	NA	NA
Intel Celeron N3050 @ 1.60GHz	880	2389	5.68	$154.99
Intel Celeron N3060 @ 1.60GHz	985	2325	NA	NA
Intel Celeron N3150 @ 1.60GHz	1666	1959	NA	NA
Intel Celeron N3160 @ 1.60GHz	1664	1962	5.94	$279.99
Intel Celeron N3350 @ 1.10GHz	1112	2245	NA	NA
Intel Celeron N3450 @ 1.10GHz	1850	1861	11.63	$159.09
Intel Celeron N4000 @ 1.10GHz	1429	2072	13.36	$107.00*
Intel Celeron N4100 @ 1.10GHz	2271	1673	21.23	$107.00*
Intel Celeron P4500 @ 1.87GHz	1116	2241	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2320	NA	NA
Intel Celeron P4600 @ 2.00GHz	1328	2121	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2439	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2352	47.54	$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2279	35.29	$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1934	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2462	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2482	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2427	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2282	6.57	$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1158	2224	23.18	$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1270	2161	17.84	$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1384	2089	8.77	$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	2051	54.88	$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1108	2250	85.33	$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2207	23.72	$49.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo E6400 @ 2.13GHz	1288	2145	43.04	$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1359	2105	27.20	$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	2062	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1497	2043	100.18	$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1554	2013	103.73	$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1942	56.46	$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1712	1926	166.27	$10.30*

Intel Core2 Duo E6850 @ 3.00GHz	1945	1812	38.92	$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1624	1983	33.16	$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1727	1916	43.31	$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1769	1895	61.05	$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1873	1850	125.01	$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1959	1802	16.34	$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1490	2046	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1761	1899	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1882	1846	37.66	$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1805	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1640	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1989	1788	99.53	$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1862	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1732	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2148	1722	47.22	$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2097	1743	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2281	1666	57.06	$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2397	1624	56.48	$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1701	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2444	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2483	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2418	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2407	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	961	2342	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2332	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2240	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1080	2270	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1346	2111	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1289	2144	64.49	$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1311	2129	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1416	2076	35.42	$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2358	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1518	2029	6.60	$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1455	2058	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2297	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1453	2061	4.89	$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	2021	31.25	$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1984	42.76	$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1739	1911	30.53	$56.99*

Intel Core2 Duo P9300 @ 2.26GHz	1564	2010	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1753	1905	1.75	$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1754	1904	17.72	$99.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo P9600 @ 2.66GHz	1866	1852	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2015	1779	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2528	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1251	2173	4.95	$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1675	1948	5.90	$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	925	2368	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	833	2413	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	839	2411	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2423	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	933	2364	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2376	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2380	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2372	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1039	2287	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2292	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2321	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1092	2259	109.39	$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2242	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1206	2195	75.86	$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1149	2229	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2191	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2184	81.79	$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1285	2149	85.78	$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1258	2166	32.68	$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1358	2106	71.90	$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1358	2107	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1020	2299	46.39	$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1168	2219	11.69	$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1114	2243	5.53	$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1194	2201	38.55	$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1250	2175	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1271	2160	29.58	$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1378	2095	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1425	2073	10.18	$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1597	1997	2.63	$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1297	2138	1.30	$999.99*

Intel Core2 Duo T8300 @ 2.40GHz	1471	2054	13.51	$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1673	1951	28.86	$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1737	1913	38.66	$44.95*
Intel Core2 Duo T9500 @ 2.60GHz	1792	1888	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1803	1884	6.03	$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1927	1821	21.43	$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2003	1783	4.73	$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2137	1724	5.36	$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	873	2391	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2526	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	669	2490	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2476	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	855	2403	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo U9600 @ 1.60GHz	1129	2238	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1944	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1224	3.25	$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3622	1227	2.42	$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1274	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1875	1849	7.11	$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1885	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2119	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1688	1943	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1894	1838	4.62	$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2076	1754	2.44	$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4157	1111	4.83	$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	1040	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4605	1018	2.86	$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	1006	2.57	$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2947	1431	73.71	$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3280	1318	72.92	$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2807	1482	122.12	$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2980	1418	59.62	$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3162	1358	13.18	$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2525	1574	6.49	$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1328	8.40	$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3152	1363	15.80	$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3337	1306	69.49	$48.03*
Intel Core2 Quad Q9450 @ 2.66GHz	3757	1196	105.24	$35.70*

Intel Core2 Quad Q9500 @ 2.83GHz	3521	1256	100.63	$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3520	1257	18.53	$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3962	1145	89.07	$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4155	1112	38.08	$109.11
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1150	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2741	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2791	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2669	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	465	2615	NA	NA
Intel Core 330 @ 1.60GHz	643	2501	NA	NA
Intel Core 860 @ 2.80GHz	4555	1027	28.65	$159.00*
Intel Core Duo L2300 @ 1.50GHz	719	2465	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2473	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2452	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2479	NA	NA
Intel Core Duo T2250 @ 1.73GHz	754	2448	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2460	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2443	NA	NA
Intel Core Duo T2400 @ 1.83GHz	794	2434	49.63	$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2417	NA	NA
Intel Core Duo T2500 @ 2.00GHz	863	2395	7.19	$119.99*
Intel Core Duo T2600 @ 2.16GHz	944	2359	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2295	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2551	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core Duo U2500 @ 1.20GHz	507	2579	NA	NA
Intel Core i3-5###U @ 2.00GHz	3057	1395	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1814	NA	NA
Intel Core i3-330M @ 2.13GHz	1785	1890	11.16	$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2273	NA	NA
Intel Core i3-350M @ 2.27GHz	1891	1840	112.92	$16.75
Intel Core i3-370M @ 2.40GHz	2014	1780	50.41	$39.96*
Intel Core i3-380M @ 2.53GHz	2093	1745	34.92	$59.95
Intel Core i3-380UM @ 1.33GHz	1159	2223	NA	NA
Intel Core i3-390M @ 2.67GHz	2172	1711	55.78	$38.95*
Intel Core i3-530 @ 2.93GHz	2564	1561	23.75	$108.00
Intel Core i3-540 @ 3.07GHz	2685	1520	14.14	$189.95
Intel Core i3-550 @ 3.20GHz	2829	1473	16.10	$175.74
Intel Core i3-560 @ 3.33GHz	2935	1435	16.31	$179.95
Intel Core i3-1005G1 @ 1.20GHz	5929	797	21.10	$281.00*

Intel Core i3-2100 @ 3.10GHz	3692	1216	67.16	$54.99
Intel Core i3-2100T @ 2.50GHz	2980	1417	49.68	$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1203	64.41	$58.00*
Intel Core i3-2105 @ 3.10GHz	3712	1210	32.29	$114.99*
Intel Core i3-2120 @ 3.30GHz	3932	1157	67.23	$58.49
Intel Core i3-2120T @ 2.60GHz	3155	1360	126.28	$24.99
Intel Core i3-2125 @ 3.30GHz	4015	1134	19.40	$207.00*
Intel Core i3-2130 @ 3.40GHz	4071	1126	66.76	$60.99
Intel Core i3-2140 @ 3.50GHz	4325	1078	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1468	12.62	$225.00*
Intel Core i3-2310M @ 2.10GHz	2432	1610	62.68	$38.81
Intel Core i3-2312M @ 2.10GHz	2374	1633	NA	NA
Intel Core i3-2328M @ 2.20GHz	2544	1568	27.37	$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1389	NA	NA
Intel Core i3-2330M @ 2.20GHz	2528	1573	50.62	$49.95*
Intel Core i3-2332M @ 2.20GHz	2382	1630	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1919	NA	NA
Intel Core i3-2348M @ 2.30GHz	2621	1539	NA	NA
Intel Core i3-2350M @ 2.30GHz	2631	1536	82.53	$31.88
Intel Core i3-2357M @ 1.30GHz	1556	2012	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1947	NA	NA
Intel Core i3-2367M @ 1.40GHz	1708	1931	NA	NA
Intel Core i3-2370M @ 2.40GHz	2778	1491	69.79	$39.81*
Intel Core i3-2375M @ 1.50GHz	1773	1894	NA	NA
Intel Core i3-2377M @ 1.50GHz	1828	1875	NA	NA
Intel Core i3-3110M @ 2.40GHz	3082	1385	38.55	$79.95*
Intel Core i3-3120M @ 2.50GHz	3225	1335	29.32	$110.00*
Intel Core i3-3130M @ 2.60GHz	3389	1289	NA	NA
Intel Core i3-3210 @ 3.20GHz	4044	1130	20.33	$199.00*
Intel Core i3-3217U @ 1.80GHz	2304	1656	10.02	$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1716	NA	NA
Intel Core i3-3220 @ 3.30GHz	4247	1094	77.24	$54.99
Intel Core i3-3220T @ 2.80GHz	3693	1215	29.55	$125.00
Intel Core i3-3225 @ 3.30GHz	4346	1071	13.37	$324.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-3227U @ 1.90GHz	2468	1598	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1937	NA	NA
Intel Core i3-3240 @ 3.40GHz	4316	1081	86.33	$50.00
Intel Core i3-3240T @ 2.90GHz	3666	1222	NA	NA

Intel Core i3-3245 @ 3.40GHz	4467	1049	25.97	$172.01
Intel Core i3-3250 @ 3.50GHz	4460	1050	63.73	$70.00
Intel Core i3-3250T @ 3.00GHz	3614	1229	NA	NA
Intel Core i3-4000M @ 2.40GHz	3257	1323	16.29	$199.95*
Intel Core i3-4005U @ 1.70GHz	2446	1607	NA	NA
Intel Core i3-4010U @ 1.70GHz	2442	1608	16.29	$149.99
Intel Core i3-4010Y @ 1.30GHz	1900	1835	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2157	1720	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2214	1699	NA	NA
Intel Core i3-4025U @ 1.90GHz	2789	1488	NA	NA
Intel Core i3-4030U @ 1.90GHz	2717	1512	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1584	NA	NA
Intel Core i3-4100M @ 2.50GHz	3432	1279	15.71	$218.57*
Intel Core i3-4110M @ 2.60GHz	3854	1168	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1452	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1398	NA	NA
Intel Core i3-4130 @ 3.40GHz	4804	978	53.39	$89.99
Intel Core i3-4130T @ 2.90GHz	4152	1113	46.67	$88.99*
Intel Core i3-4150 @ 3.50GHz	4902	960	49.52	$99.00
Intel Core i3-4150T @ 3.00GHz	4227	1096	18.39	$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1443	NA	NA
Intel Core i3-4160 @ 3.60GHz	5049	929	56.11	$89.99
Intel Core i3-4160T @ 3.10GHz	4470	1048	29.81	$149.99*
Intel Core i3-4170 @ 3.70GHz	5189	904	19.45	$266.79
Intel Core i3-4170T @ 3.20GHz	4489	1042	21.38	$209.95*
Intel Core i3-4330 @ 3.50GHz	5087	917	46.67	$109.00
Intel Core i3-4330T @ 3.00GHz	4485	1045	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1340	NA	NA
Intel Core i3-4340 @ 3.60GHz	5245	894	30.86	$169.99*
Intel Core i3-4350 @ 3.60GHz	4990	942	29.36	$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	1085	NA	NA
Intel Core i3-4360 @ 3.70GHz	5446	864	21.03	$259.00*
Intel Core i3-4360T @ 3.20GHz	4636	1008	NA	NA
Intel Core i3-4370 @ 3.80GHz	5617	834	18.18	$309.00*
Intel Core i3-4370T @ 3.30GHz	4870	965	35.29	$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	953	NA	NA
Intel Core i3-5005U @ 2.00GHz	2903	1450	NA	NA
Intel Core i3-5010U @ 2.10GHz	3058	1394	9.06	$337.76*
Intel Core i3-5015U @ 2.10GHz	2975	1420	NA	NA
Intel Core i3-5020U @ 2.20GHz	3198	1342	6.97	$459.00*

Intel Core i3-5157U @ 2.50GHz	3670	1221	NA	NA
Intel Core i3-6006U @ 2.00GHz	3078	1388	NA	NA
Intel Core i3-6098P @ 3.60GHz	5387	872	40.28	$133.74*
Intel Core i3-6100 @ 3.70GHz	5483	855	43.95	$124.77
Intel Core i3-6100E @ 2.70GHz	3769	1189	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-6100H @ 2.70GHz	4188	1103	NA	NA
Intel Core i3-6100T @ 3.20GHz	4858	970	35.99	$134.99*
Intel Core i3-6100TE @ 2.70GHz	4315	1083	NA	NA
Intel Core i3-6100U @ 2.30GHz	3604	1233	7.00	$515.00*
Intel Core i3-6102E @ 1.90GHz	3196	1344	14.20	$225.00*
Intel Core i3-6157U @ 2.40GHz	3826	1178	NA	NA
Intel Core i3-6300 @ 3.80GHz	5843	808	36.75	$158.99*
Intel Core i3-6300T @ 3.30GHz	5247	893	33.86	$154.99*
Intel Core i3-6320 @ 3.90GHz	6046	789	14.86	$407.00
Intel Core i3-7020U @ 2.30GHz	3521	1255	12.53	$281.00*
Intel Core i3-7100 @ 3.90GHz	5779	813	48.16	$120.00
Intel Core i3-7100H @ 3.00GHz	4627	1012	20.57	$225.00*
Intel Core i3-7100T @ 3.40GHz	5049	930	34.77	$145.20
Intel Core i3-7100U @ 2.40GHz	3761	1194	10.45	$359.99
Intel Core i3-7101TE @ 3.40GHz	5189	903	44.36	$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1320	14.52	$225.00*
Intel Core i3-7130U @ 2.70GHz	4062	1127	8.83	$459.99*
Intel Core i3-7167U @ 2.80GHz	4757	986	NA	NA
Intel Core i3-7300 @ 4.00GHz	6328	756	36.83	$171.84*
Intel Core i3-7300T @ 3.50GHz	5369	876	29.57	$181.59*
Intel Core i3-7320 @ 4.10GHz	6417	748	35.12	$182.72*
Intel Core i3-7350K @ 4.20GHz	6593	731	33.90	$194.49
Intel Core i3-8100 @ 3.60GHz	8006	586	61.59	$129.99
Intel Core i3-8100B @ 3.60GHz	8544	532	64.24	$133.00*
Intel Core i3-8100T @ 3.10GHz	7309	659	56.66	$129.00*
Intel Core i3-8109U @ 3.00GHz	6118	776	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	979	NA	NA
Intel Core i3-8130U @ 2.20GHz	5019	938	17.86	$281.00*
Intel Core i3-8145U @ 2.10GHz	5501	854	19.58	$281.00*
Intel Core i3-8300 @ 3.70GHz	8700	518	45.63	$190.69*
Intel Core i3-8300T @ 3.20GHz	8032	582	47.11	$170.49*
Intel Core i3-8350K @ 4.00GHz	9237	458	46.48	$198.75
Intel Core i3-9100 @ 3.60GHz	8936	495	56.74	$157.50

Intel Core i3-9100F @ 3.60GHz	8952	493	93.76	$95.48
Intel Core i3-9100T @ 3.10GHz	7585	633	62.17	$122.00*
Intel Core i3-9300 @ 3.70GHz	10018	378	65.91	$152.00*
Intel Core i3-9300T @ 3.20GHz	8777	510	61.38	$143.00*
Intel Core i3-9320 @ 3.70GHz	10144	366	62.62	$162.00*
Intel Core i3-9350KF @ 4.00GHz	10526	344	45.67	$230.49
Intel Core i3-10110U @ 2.10GHz	6026	790	NA	NA
Intel Core i3-21050 @ 3.10GHz	3862	1167	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1707	21.97	$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1594	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3542	1246	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3676	1219	NA	NA
Intel Core i5-430M @ 2.27GHz	2094	1744	14.97	$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	2115	NA	NA
Intel Core i5-450M @ 2.40GHz	2133	1727	66.78	$31.95*
Intel Core i5-460M @ 2.53GHz	2320	1645	30.97	$74.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-470UM @ 1.33GHz	1079	2271	NA	NA
Intel Core i5-480M @ 2.67GHz	2400	1622	29.78	$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1687	NA	NA
Intel Core i5-520M @ 2.40GHz	2367	1636	79.41	$29.81
Intel Core i5-520UM @ 1.07GHz	1348	2110	NA	NA
Intel Core i5-540M @ 2.53GHz	2452	1604	36.07	$68.00
Intel Core i5-540UM @ 1.20GHz	1375	2096	NA	NA
Intel Core i5-560M @ 2.67GHz	2578	1553	31.46	$81.97*
Intel Core i5-560UM @ 1.33GHz	1664	1961	NA	NA
Intel Core i5-580M @ 2.67GHz	2582	1551	23.49	$109.95*
Intel Core i5-650 @ 3.20GHz	3096	1381	86.03	$35.99
Intel Core i5-655K @ 3.20GHz	3386	1291	56.45	$59.99*
Intel Core i5-660 @ 3.33GHz	3246	1327	9.02	$359.95
Intel Core i5-661 @ 3.33GHz	3192	1345	13.88	$229.99*
Intel Core i5-670 @ 3.47GHz	3309	1311	11.86	$279.00*
Intel Core i5-680 @ 3.60GHz	3513	1260	39.04	$89.99*
Intel Core i5-750 @ 2.67GHz	3719	1205	92.55	$40.19
Intel Core i5-760 @ 2.80GHz	3936	1156	18.83	$209.00*
Intel Core i5-1035G1 @ 1.00GHz	9072	473	30.55	$297.00*
Intel Core i5-1035G4 @ 1.10GHz	8755	515	28.34	$309.00*
Intel Core i5-1035G7 @ 1.20GHz	9511	429	29.72	$320.00*
Intel Core i5-2300 @ 2.80GHz	5362	878	67.04	$79.99*
Intel Core i5-2310 @ 2.90GHz	5537	850	29.72	$186.33*

Intel Core i5-2320 @ 3.00GHz	5774	816	62.09	$93.00
Intel Core i5-2380P @ 3.10GHz	5762	819	32.01	$180.00
Intel Core i5-2390T @ 2.70GHz	4223	1098	42.27	$99.90*
Intel Core i5-2400 @ 3.10GHz	5973	792	199.18	$29.99
Intel Core i5-2400S @ 2.50GHz	4989	943	27.42	$182.00
Intel Core i5-2405S @ 2.50GHz	5082	920	24.44	$208.00*
Intel Core i5-2410M @ 2.30GHz	3172	1352	44.06	$72.00*
Intel Core i5-2415M @ 2.30GHz	3303	1313	NA	NA
Intel Core i5-2430M @ 2.40GHz	3286	1316	36.92	$89.02*
Intel Core i5-2435M @ 2.40GHz	3232	1330	NA	NA
Intel Core i5-2450M @ 2.50GHz	3402	1283	40.49	$84.02*
Intel Core i5-2450P @ 3.20GHz	6149	772	68.34	$89.99*
Intel Core i5-2467M @ 1.60GHz	2318	1647	NA	NA
Intel Core i5-2500 @ 3.30GHz	6353	753	115.51	$55.00
Intel Core i5-2500K @ 3.30GHz	6488	740	14.94	$434.26*
Intel Core i5-2500S @ 2.70GHz	5386	873	71.84	$74.99*
Intel Core i5-2500T @ 2.30GHz	4647	1005	51.64	$89.99*
Intel Core i5-2510E @ 2.50GHz	3483	1266	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1310	NA	NA
Intel Core i5-2520M @ 2.50GHz	3593	1235	21.19	$169.60*
Intel Core i5-2537M @ 1.40GHz	2064	1759	NA	NA
Intel Core i5-2540M @ 2.60GHz	3781	1187	65.17	$58.02
Intel Core i5-2550K @ 3.40GHz	6672	724	35.12	$190.00*
Intel Core i5-2557M @ 1.70GHz	2694	1518	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1197	NA	NA
Intel Core i5-3210M @ 2.50GHz	3828	1176	56.11	$68.24*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-3230M @ 2.60GHz	3945	1154	18.15	$217.42*
Intel Core i5-3317U @ 1.70GHz	3092	1382	13.74	$225.00*
Intel Core i5-3320M @ 2.60GHz	4132	1116	59.19	$69.81*
Intel Core i5-3330 @ 3.00GHz	5953	795	29.77	$200.00*
Intel Core i5-3330S @ 2.70GHz	5678	827	59.78	$94.99*
Intel Core i5-3335S @ 2.70GHz	5788	812	NA	NA
Intel Core i5-3337U @ 1.80GHz	3228	1334	14.35	$225.00*
Intel Core i5-3339Y @ 1.50GHz	2215	1698	NA	NA
Intel Core i5-3340 @ 3.10GHz	6102	781	20.83	$293.01*
Intel Core i5-3340M @ 2.70GHz	4250	1093	53.17	$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	807	38.98	$149.99*
Intel Core i5-3350P @ 3.10GHz	6155	771	41.04	$149.99*

Intel Core i5-3360M @ 2.80GHz	4441	1056	47.86	$92.81*
Intel Core i5-3380M @ 2.90GHz	4455	1052	NA	NA
Intel Core i5-3427U @ 1.80GHz	3549	1243	8.45	$420.05*
Intel Core i5-3437U @ 1.90GHz	3628	1226	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1437	NA	NA
Intel Core i5-3450 @ 3.10GHz	6535	737	29.80	$219.33*
Intel Core i5-3450S @ 2.80GHz	6233	761	42.99	$145.01*
Intel Core i5-3470 @ 3.20GHz	6725	718	126.19	$53.30
Intel Core i5-3470S @ 2.90GHz	6396	750	49.01	$130.53
Intel Core i5-3470T @ 2.90GHz	4489	1043	14.53	$308.95
Intel Core i5-3475S @ 2.90GHz	6617	730	46.12	$143.50*
Intel Core i5-3550 @ 3.30GHz	6966	692	22.47	$309.99
Intel Core i5-3550S @ 3.00GHz	6916	699	22.87	$302.45
Intel Core i5-3570 @ 3.40GHz	7143	675	102.06	$69.99
Intel Core i5-3570K @ 3.40GHz	7186	672	22.12	$324.88
Intel Core i5-3570S @ 3.10GHz	6729	717	23.61	$285.00*
Intel Core i5-3570T @ 2.30GHz	5914	798	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3929	1158	NA	NA
Intel Core i5-4200H @ 2.80GHz	4460	1051	NA	NA
Intel Core i5-4200M @ 2.50GHz	4037	1131	49.77	$81.12*
Intel Core i5-4200U @ 1.60GHz	3281	1317	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2407	1619	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2262	1677	NA	NA
Intel Core i5-4210H @ 2.90GHz	4532	1034	NA	NA
Intel Core i5-4210M @ 2.60GHz	4209	1101	13.58	$309.95*
Intel Core i5-4210U @ 1.70GHz	3403	1282	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2375	1632	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1654	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1451	NA	NA
Intel Core i5-4250U @ 1.30GHz	3376	1293	9.41	$359.00*
Intel Core i5-4258U @ 2.40GHz	4090	1123	NA	NA
Intel Core i5-4260U @ 1.40GHz	3580	1241	NA	NA
Intel Core i5-4278U @ 2.60GHz	4371	1067	NA	NA
Intel Core i5-4288U @ 2.60GHz	4303	1084	NA	NA
Intel Core i5-4300M @ 2.60GHz	4448	1054	NA	NA
Intel Core i5-4300U @ 1.90GHz	3739	1201	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2502	1586	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-4302Y @ 1.60GHz	2971	1422	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	1099	NA	NA

Intel Core i5-4310M @ 2.70GHz	4655	1003	NA	NA
Intel Core i5-4310U @ 2.00GHz	3782	1186	NA	NA
Intel Core i5-4330M @ 2.80GHz	4551	1029	16.55	$274.99*
Intel Core i5-4340M @ 2.90GHz	4861	969	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1230	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	1031	17.10	$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1151	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1483	10.55	$266.00*
Intel Core i5-4430 @ 3.00GHz	6339	754	39.63	$159.99*
Intel Core i5-4430S @ 2.70GHz	5963	793	37.27	$159.99*
Intel Core i5-4440 @ 3.10GHz	6519	738	13.12	$497.00*
Intel Core i5-4440S @ 2.80GHz	6259	758	13.52	$462.97*
Intel Core i5-4460 @ 3.20GHz	6724	719	32.47	$207.12
Intel Core i5-4460S @ 2.90GHz	6431	745	9.74	$659.99*
Intel Core i5-4460T @ 1.90GHz	4978	946	NA	NA
Intel Core i5-4570 @ 3.20GHz	7156	674	106.44	$67.23
Intel Core i5-4570R @ 2.70GHz	6776	708	NA	NA
Intel Core i5-4570S @ 2.90GHz	6836	703	48.84	$139.99
Intel Core i5-4570T @ 2.90GHz	4816	975	22.94	$209.95
Intel Core i5-4570TE @ 2.70GHz	3827	1177	19.14	$199.99*
Intel Core i5-4590 @ 3.30GHz	7343	657	82.51	$89.00
Intel Core i5-4590S @ 3.00GHz	7077	680	33.53	$211.07*
Intel Core i5-4590T @ 2.00GHz	5629	832	26.81	$209.95*
Intel Core i5-4670 @ 3.40GHz	7475	644	19.67	$379.95
Intel Core i5-4670K @ 3.40GHz	7636	630	25.46	$299.95
Intel Core i5-4670K CPT @ 3.40GHz	7411	653	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	650	26.88	$276.00*
Intel Core i5-4670S @ 3.10GHz	7399	654	34.74	$213.00*
Intel Core i5-4670T @ 2.30GHz	6155	770	23.76	$259.02*
Intel Core i5-4690 @ 3.50GHz	7690	625	34.26	$224.47
Intel Core i5-4690K @ 3.50GHz	7798	611	49.05	$159.00
Intel Core i5-4690S @ 3.20GHz	7439	648	20.71	$359.21*
Intel Core i5-4690T @ 2.50GHz	6547	735	NA	NA
Intel Core i5-5200U @ 2.20GHz	3496	1264	12.44	$281.00*
Intel Core i5-5250U @ 1.60GHz	3590	1237	8.13	$441.89*
Intel Core i5-5257U @ 2.70GHz	4411	1061	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	996	NA	NA
Intel Core i5-5300U @ 2.30GHz	3841	1173	7.07	$543.39*
Intel Core i5-5350U @ 1.80GHz	3520	1258	NA	NA

Intel Core i5-5575R @ 2.80GHz	7484	641	NA	NA
Intel Core i5-5675C @ 3.10GHz	8135	569	26.25	$309.95*
Intel Core i5-5675R @ 3.10GHz	7991	589	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4149	1114	NA	NA
Intel Core i5-6200U @ 2.30GHz	4010	1135	NA	NA
Intel Core i5-6260U @ 1.80GHz	4360	1070	12.01	$362.97
Intel Core i5-6267U @ 2.90GHz	4888	961	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	988	15.63	$304.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-6300HQ @ 2.30GHz	6098	783	NA	NA
Intel Core i5-6300U @ 2.40GHz	4365	1068	NA	NA
Intel Core i5-6360U @ 2.00GHz	4686	998	NA	NA
Intel Core i5-6400 @ 2.70GHz	6754	713	29.52	$228.83*
Intel Core i5-6400T @ 2.20GHz	5616	835	21.61	$259.95*
Intel Core i5-6402P @ 2.80GHz	7102	677	37.38	$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6223	763	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6806	705	NA	NA
Intel Core i5-6500 @ 3.20GHz	7248	665	45.05	$160.89
Intel Core i5-6500T @ 2.50GHz	6306	757	43.50	$144.99*
Intel Core i5-6500TE @ 2.30GHz	6580	733	31.34	$209.99
Intel Core i5-6600 @ 3.30GHz	7776	614	29.67	$262.13*
Intel Core i5-6600K @ 3.50GHz	8059	576	30.63	$263.11*
Intel Core i5-6600T @ 2.70GHz	7273	662	24.25	$299.95*
Intel Core i5-7200U @ 2.50GHz	4562	1026	16.24	$281.00*
Intel Core i5-7260U @ 2.20GHz	5637	830	9.40	$600.00
Intel Core i5-7267U @ 3.10GHz	5052	928	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	829	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6717	720	NA	NA
Intel Core i5-7300U @ 2.60GHz	5155	910	10.84	$475.42
Intel Core i5-7360U @ 2.30GHz	5855	804	NA	NA
Intel Core i5-7400 @ 3.00GHz	7233	667	35.28	$205.04
Intel Core i5-7400T @ 2.40GHz	6333	755	29.43	$215.22*
Intel Core i5-7440HQ @ 2.80GHz	7626	631	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	5901	800	23.60	$250.00*
Intel Core i5-7500 @ 3.40GHz	7938	595	33.96	$233.75
Intel Core i5-7500T @ 2.70GHz	6937	696	31.00	$223.75
Intel Core i5-7600 @ 3.50GHz	8622	527	36.00	$239.50*
Intel Core i5-7600K @ 3.80GHz	9047	479	28.09	$322.12
Intel Core i5-7600T @ 2.80GHz	7983	592	32.35	$246.76
Intel Core i5-7640X @ 4.00GHz	9461	434	39.43	$239.95

Intel Core i5-8200Y @ 1.30GHz	4339	1074	14.91	$291.00*
Intel Core i5-8210Y @ 1.60GHz	4227	1097	NA	NA
Intel Core i5-8250U @ 1.60GHz	7649	628	NA	NA
Intel Core i5-8257U @ 1.40GHz	10742	328	33.57	$320.00*
Intel Core i5-8259U @ 2.30GHz	10998	311	14.35	$766.51
Intel Core i5-8265U @ 1.60GHz	8019	584	27.00	$297.00*
Intel Core i5-8265UC @ 1.60GHz	7780	613	NA	NA
Intel Core i5-8279U @ 2.40GHz	10623	336	33.20	$320.00*
Intel Core i5-8300H @ 2.30GHz	9471	432	37.89	$250.00*
Intel Core i5-8305G @ 2.80GHz	8947	494	NA	NA
Intel Core i5-8350U @ 1.70GHz	8134	570	27.39	$297.00*
Intel Core i5-8365U @ 1.60GHz	8403	547	28.30	$297.00*
Intel Core i5-8365UE @ 1.60GHz	8010	585	26.97	$297.00*
Intel Core i5-8400 @ 2.80GHz	11568	293	55.09	$210.00
Intel Core i5-8400H @ 2.50GHz	10366	350	41.47	$250.00*
Intel Core i5-8400T @ 1.70GHz	9528	427	50.42	$189.00
Intel Core i5-8500 @ 3.00GHz	11796	286	40.47	$291.49
Intel Core i5-8500B @ 3.00GHz	12756	256	66.44	$192.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-8500T @ 2.10GHz	9971	387	42.55	$234.36*
Intel Core i5-8600 @ 3.10GHz	12480	265	37.44	$333.33
Intel Core i5-8600K @ 3.60GHz	12678	260	48.97	$258.89
Intel Core i5-8600T @ 2.30GHz	10981	313	29.92	$366.99*
Intel Core i5-9300H @ 2.40GHz	9845	399	39.38	$250.00*
Intel Core i5-9400 @ 2.90GHz	11973	284	63.02	$189.99
Intel Core i5-9400F @ 2.90GHz	12106	280	83.50	$144.99
Intel Core i5-9400H @ 2.50GHz	11415	294	45.66	$250.00*
Intel Core i5-9400T @ 1.80GHz	9976	386	54.82	$182.00*
Intel Core i5-9500 @ 3.00GHz	12439	266	47.28	$263.10
Intel Core i5-9500F @ 3.00GHz	13021	247	64.46	$202.00*
Intel Core i5-9500T @ 2.20GHz	10557	341	54.98	$192.00*
Intel Core i5-9600 @ 3.10GHz	13931	213	62.19	$224.00*
Intel Core i5-9600K @ 3.70GHz	13478	234	58.60	$229.99
Intel Core i5-9600KF @ 3.70GHz	13610	227	71.64	$189.99
Intel Core i5-9600T @ 2.30GHz	11706	289	54.96	$213.00*
Intel Core i5-10210U @ 1.60GHz	8813	507	29.68	$297.00*
Intel Core i5-24050S @ 2.50GHz	4928	955	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3738	1202	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1799	NA	NA

Intel Core i7-610E @ 2.53GHz	2544	1567	NA	NA
Intel Core i7-620LM @ 2.00GHz	1954	1807	NA	NA
Intel Core i7-620M @ 2.67GHz	2717	1511	24.70	$110.01
Intel Core i7-620UM @ 1.07GHz	1323	2124	NA	NA
Intel Core i7-640LM @ 2.13GHz	2245	1686	NA	NA
Intel Core i7-640M @ 2.80GHz	2828	1474	14.14	$199.95*
Intel Core i7-640UM @ 1.20GHz	1638	1974	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1908	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1928	NA	NA
Intel Core i7-720QM @ 1.60GHz	3008	1408	27.36	$109.95*
Intel Core i7-740QM @ 1.73GHz	3191	1346	19.95	$159.95*
Intel Core i7-820QM @ 1.73GHz	3220	1338	13.42	$239.95*
Intel Core i7-840QM @ 1.87GHz	3412	1280	11.77	$289.97*
Intel Core i7-860 @ 2.80GHz	5023	936	17.33	$289.95
Intel Core i7-860S @ 2.53GHz	4919	956	24.60	$199.99*
Intel Core i7-870 @ 2.93GHz	5339	881	56.00	$95.35
Intel Core i7-870S @ 2.67GHz	4849	973	NA	NA
Intel Core i7-875K @ 2.93GHz	5413	865	16.88	$320.76*
Intel Core i7-880 @ 3.07GHz	5505	852	9.44	$583.00*
Intel Core i7-920 @ 2.67GHz	4913	958	119.84	$41.00
Intel Core i7-920XM @ 2.00GHz	3724	1204	9.31	$399.95*
Intel Core i7-930 @ 2.80GHz	5130	912	46.65	$109.99
Intel Core i7-940 @ 2.93GHz	5332	883	51.27	$103.99*
Intel Core i7-940XM @ 2.13GHz	3921	1161	NA	NA
Intel Core i7-950 @ 3.07GHz	5539	849	138.53	$39.99
Intel Core i7-960 @ 3.20GHz	5796	811	20.70	$280.00*
Intel Core i7-965 @ 3.20GHz	5850	806	41.79	$139.99*
Intel Core i7-970 @ 3.20GHz	8356	551	16.72	$499.95*
Intel Core i7-975 @ 3.33GHz	6114	777	14.92	$409.92
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-980 @ 3.33GHz	8536	533	42.69	$199.98*
Intel Core i7-980X @ 3.33GHz	8747	517	7.88	$1,109.95*
Intel Core i7-985 @ 3.47GHz	6641	727	NA	NA
Intel Core i7-990X @ 3.47GHz	9055	478	25.87	$349.99*
Intel Core i7-995X @ 3.60GHz	9791	402	NA	NA
Intel Core i7-1065G7 @ 1.30GHz	10796	327	NA	NA
Intel Core i7-2600 @ 3.40GHz	8184	566	70.43	$116.20
Intel Core i7-2600K @ 3.40GHz	8434	542	57.61	$146.41
Intel Core i7-2600S @ 2.80GHz	7093	678	67.48	$105.12
Intel Core i7-2610UE @ 1.50GHz	2481	1596	NA	NA

Intel Core i7-2617M @ 1.50GHz	2812	1480	NA	NA
Intel Core i7-2620M @ 2.70GHz	3841	1172	22.62	$169.81*
Intel Core i7-2630QM @ 2.00GHz	5522	851	53.71	$102.81*
Intel Core i7-2630UM @ 1.60GHz	2584	1550	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5478	857	NA	NA
Intel Core i7-2637M @ 1.70GHz	2900	1453	NA	NA
Intel Core i7-2640M @ 2.80GHz	3926	1159	32.73	$119.95*
Intel Core i7-2655LE @ 2.20GHz	3229	1333	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5878	802	42.47	$138.40*
Intel Core i7-2675QM @ 2.20GHz	5546	848	NA	NA
Intel Core i7-2677M @ 1.80GHz	2833	1471	NA	NA
Intel Core i7-2700K @ 3.50GHz	8689	521	28.97	$300.00
Intel Core i7-2710QE @ 2.10GHz	5768	818	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	877	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6102	780	19.75	$309.00
Intel Core i7-2760QM @ 2.40GHz	6554	734	31.22	$209.95*
Intel Core i7-2820QM @ 2.30GHz	6644	726	34.78	$191.02*
Intel Core i7-2840QM @ 2.40GHz	6766	710	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6949	694	12.85	$541.00*
Intel Core i7-2920XM @ 2.50GHz	6998	686	15.89	$440.44*
Intel Core i7-2960XM @ 2.70GHz	7224	669	17.62	$409.95*
Intel Core i7-3517U @ 1.90GHz	3540	1247	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3150	1364	NA	NA
Intel Core i7-3520M @ 2.90GHz	4546	1032	34.44	$132.02*
Intel Core i7-3537U @ 2.00GHz	3809	1183	NA	NA
Intel Core i7-3540M @ 3.00GHz	4669	1000	10.86	$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1143	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6544	736	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7458	646	18.65	$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	721	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6818	704	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	645	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7389	655	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7581	634	31.72	$239.00*
Intel Core i7-3632QM @ 2.20GHz	6926	697	30.92	$224.05
Intel Core i7-3635QM @ 2.40GHz	6677	723	NA	NA
Intel Core i7-3667U @ 2.00GHz	3974	1142	NA	NA
Intel Core i7-3687U @ 2.10GHz	4136	1115	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1336	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-3720QM @ 2.60GHz	8123	572	22.38	$363.00*
Intel Core i7-3740QM @ 2.70GHz	8305	556	34.61	$239.95*
Intel Core i7-3770 @ 3.40GHz	9277	455	78.63	$117.99
Intel Core i7-3770K @ 3.50GHz	9515	428	45.53	$209.00
Intel Core i7-3770S @ 3.10GHz	8902	499	65.88	$135.13
Intel Core i7-3770T @ 2.50GHz	8204	563	24.86	$329.99*
Intel Core i7-3820 @ 3.60GHz	8987	484	22.47	$399.99*
Intel Core i7-3820QM @ 2.70GHz	8404	546	29.49	$285.00*
Intel Core i7-3840QM @ 2.80GHz	8763	513	30.32	$289.05*
Intel Core i7-3920XM @ 2.90GHz	8981	485	8.19	$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11973	283	52.06	$229.99*
Intel Core i7-3940XM @ 3.00GHz	9160	464	17.00	$539.00
Intel Core i7-3960X @ 3.30GHz	12571	263	13.81	$909.99*
Intel Core i7-3970X @ 3.50GHz	12695	259	24.90	$509.94*
Intel Core i7-4500U @ 1.80GHz	3786	1185	NA	NA
Intel Core i7-4510U @ 2.00GHz	3915	1163	NA	NA
Intel Core i7-4550U @ 1.50GHz	3676	1220	NA	NA
Intel Core i7-4558U @ 2.80GHz	4401	1062	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	1076	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	983	NA	NA
Intel Core i7-4600M @ 2.90GHz	4905	959	NA	NA
Intel Core i7-4600U @ 2.10GHz	4103	1121	NA	NA
Intel Core i7-4610M @ 3.00GHz	4915	957	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1200	NA	NA
Intel Core i7-4650U @ 1.70GHz	3950	1149	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7203	670	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7733	620	20.19	$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7690	624	40.69	$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7417	651	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7132	676	32.65	$218.45
Intel Core i7-4710HQ @ 2.50GHz	7723	622	20.43	$378.00*
Intel Core i7-4710MQ @ 2.50GHz	7984	591	29.40	$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7532	638	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7203	671	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7989	590	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8093	574	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8202	564	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8793	508	NA	NA

Intel Core i7-4765T @ 2.00GHz	7307	660	18.27	$399.99*
Intel Core i7-4770 @ 3.40GHz	9781	405	63.51	$154.00
Intel Core i7-4770HQ @ 2.20GHz	8961	488	NA	NA
Intel Core i7-4770K @ 3.50GHz	10076	374	29.38	$343.00
Intel Core i7-4770R @ 3.20GHz	9830	400	NA	NA
Intel Core i7-4770S @ 3.10GHz	9347	446	15.32	$610.00
Intel Core i7-4770T @ 2.50GHz	8601	529	21.51	$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	716	NA	NA
Intel Core i7-4771 @ 3.50GHz	9861	397	16.17	$609.99*
Intel Core i7-4785T @ 2.20GHz	7639	629	NA	NA
Intel Core i7-4790 @ 3.60GHz	9989	382	58.76	$169.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-4790K @ 4.00GHz	11164	304	39.88	$279.99
Intel Core i7-4790S @ 3.20GHz	9558	424	19.98	$478.48
Intel Core i7-4790T @ 2.70GHz	9074	472	25.21	$359.99*
Intel Core i7-4800MQ @ 2.70GHz	8445	540	41.40	$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8652	524	45.55	$189.95*
Intel Core i7-4820K @ 3.70GHz	9719	412	44.18	$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9056	477	20.87	$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7900	598	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9289	454	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9353	444	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8974	487	15.30	$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9348	445	20.33	$459.95*
Intel Core i7-4930K @ 3.40GHz	13023	245	16.28	$799.97
Intel Core i7-4930MX @ 3.00GHz	9444	439	8.62	$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9776	407	13.77	$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9856	398	15.82	$623.00*
Intel Core i7-4960X @ 3.60GHz	13805	221	17.93	$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10293	357	NA	NA
Intel Core i7-5500U @ 2.40GHz	3980	1141	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1171	NA	NA
Intel Core i7-5557U @ 3.10GHz	4953	951	7.03	$705.00*
Intel Core i7-5600U @ 2.60GHz	4327	1077	NA	NA
Intel Core i7-5650U @ 2.20GHz	4242	1095	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	567	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	561	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8347	553	NA	NA
Intel Core i7-5775C @ 3.30GHz	10851	323	15.81	$686.32*
Intel Core i7-5775R @ 3.30GHz	10879	322	NA	NA

Intel Core i7-5820K @ 3.30GHz	13012	248	52.05	$249.99
Intel Core i7-5850EQ @ 2.70GHz	9817	401	22.57	$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	436	21.80	$434.00*
Intel Core i7-5930K @ 3.50GHz	13664	223	38.59	$354.09*
Intel Core i7-5950HQ @ 2.90GHz	10850	324	NA	NA
Intel Core i7-5960X @ 3.00GHz	15991	155	15.33	$1,042.93*
Intel Core i7-6498DU @ 2.50GHz	4470	1047	NA	NA
Intel Core i7-6500U @ 2.50GHz	4423	1057	11.26	$393.00*
Intel Core i7-6560U @ 2.20GHz	4815	976	NA	NA
Intel Core i7-6567U @ 3.30GHz	5582	841	NA	NA
Intel Core i7-6600U @ 2.60GHz	4801	980	NA	NA
Intel Core i7-6650U @ 2.20GHz	4978	945	NA	NA
Intel Core i7-6700 @ 3.40GHz	10003	380	28.59	$349.89*
Intel Core i7-6700HQ @ 2.60GHz	8127	571	21.50	$378.00*
Intel Core i7-6700K @ 4.00GHz	11108	305	28.21	$393.73*
Intel Core i7-6700T @ 2.80GHz	9000	482	23.94	$375.99*
Intel Core i7-6700TE @ 2.40GHz	8674	523	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9718	413	9.70	$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13565	230	33.83	$401.01
Intel Core i7-6820EQ @ 2.80GHz	8630	525	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9124	468	24.14	$378.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-6820HQ @ 2.70GHz	8761	514	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6501	739	NA	NA
Intel Core i7-6850K @ 3.60GHz	14370	198	30.06	$478.00
Intel Core i7-6900K @ 3.20GHz	17614	118	25.27	$697.00
Intel Core i7-6920HQ @ 2.90GHz	9549	426	16.81	$568.00*
Intel Core i7-6950X @ 3.00GHz	19920	80	9.01	$2,209.95
Intel Core i7-7500U @ 2.70GHz	5120	913	NA	NA
Intel Core i7-7560U @ 2.40GHz	5770	817	NA	NA
Intel Core i7-7567U @ 3.50GHz	6465	741	8.28	$780.49
Intel Core i7-7600U @ 2.80GHz	5112	916	NA	NA
Intel Core i7-7660U @ 2.50GHz	5989	791	NA	NA
Intel Core i7-7700 @ 3.60GHz	10686	332	33.80	$316.18
Intel Core i7-7700HQ @ 2.80GHz	8766	512	23.19	$378.00*
Intel Core i7-7700K @ 4.20GHz	11994	281	32.92	$364.40
Intel Core i7-7700T @ 2.90GHz	9311	452	30.13	$309.00*
Intel Core i7-7740X @ 4.30GHz	12219	276	31.74	$385.00
Intel Core i7-7800X @ 3.50GHz	14637	191	28.70	$509.99*

Intel Core i7-7820EQ @ 3.00GHz	9144	466	24.19	$378.00*
Intel Core i7-7820HK @ 2.90GHz	9954	389	26.33	$378.00*
Intel Core i7-7820HQ @ 2.90GHz	9248	456	24.47	$378.00*
Intel Core i7-7820X @ 3.60GHz	18516	103	28.95	$639.50
Intel Core i7-7900X @ 3.30GHz	20474	71	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	9991	381	17.59	$568.00*
Intel Core i7-8086K @ 4.00GHz	16680	132	30.17	$552.96*
Intel Core i7-8500Y @ 1.50GHz	3945	1153	10.04	$393.00*
Intel Core i7-8550U @ 1.80GHz	8248	559	NA	NA
Intel Core i7-8559U @ 2.70GHz	12222	275	22.47	$543.99
Intel Core i7-8565U @ 1.80GHz	8864	504	NA	NA
Intel Core i7-8650U @ 1.90GHz	8691	520	21.20	$409.99
Intel Core i7-8665U @ 1.90GHz	8829	506	21.59	$409.00*
Intel Core i7-8700 @ 3.20GHz	15139	177	38.53	$392.88
Intel Core i7-8700B @ 3.20GHz	14802	188	48.85	$303.00*
Intel Core i7-8700K @ 3.70GHz	15935	157	44.89	$354.99
Intel Core i7-8700T @ 2.40GHz	12612	261	28.16	$447.95
Intel Core i7-8705G @ 3.10GHz	9880	394	7.01	$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10539	342	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	406	NA	NA
Intel Core i7-8750H @ 2.20GHz	12406	267	31.41	$395.00*
Intel Core i7-8809G @ 3.10GHz	10990	312	NA	NA
Intel Core i7-8850H @ 2.60GHz	12973	249	32.84	$395.00*
Intel Core i7-9700 @ 3.00GHz	15933	158	45.53	$349.99
Intel Core i7-9700F @ 3.00GHz	16484	136	50.74	$324.90
Intel Core i7-9700K @ 3.60GHz	17200	122	50.59	$339.99
Intel Core i7-9700KF @ 3.60GHz	17215	121	47.82	$359.99*
Intel Core i7-9700T @ 2.00GHz	13426	236	41.57	$323.00*
Intel Core i7-9750H @ 2.60GHz	13543	231	34.29	$395.00*
Intel Core i7-9800X @ 3.80GHz	19786	85	34.71	$569.97
Intel Core i7-9850H @ 2.60GHz	14154	205	35.83	$395.00*
Intel Core i7-10510U @ 1.80GHz	9335	448	22.82	$409.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-10710U @ 1.10GHz	13023	246	29.40	$443.00*
Intel Core i9-7900X @ 3.30GHz	21867	57	21.29	$1,027.12*
Intel Core i9-7920X @ 2.90GHz	23291	45	17.30	$1,346.25*
Intel Core i9-7940X @ 3.10GHz	25426	27	21.01	$1,209.99
Intel Core i9-7960X @ 2.80GHz	26030	21	19.28	$1,349.99*
Intel Core i9-7980XE @ 2.60GHz	27647	18	19.20	$1,440.00*
Intel Core i9-8950HK @ 2.90GHz	14219	203	24.39	$583.00*

Intel Core i9-9820X @ 3.30GHz	21536	60	32.68	$658.99
Intel Core i9-9880H @ 2.30GHz	16814	130	30.24	$556.00*
Intel Core i9-9900 @ 3.10GHz	18619	102	42.32	$439.99
Intel Core i9-9900K @ 3.60GHz	20195	78	42.79	$471.99
Intel Core i9-9900KF @ 3.60GHz	20426	74	42.56	$479.99
Intel Core i9-9900KS @ 4.00GHz	21297	65	30.22	$704.74
Intel Core i9-9900T @ 2.10GHz	15090	179	34.38	$439.00*
Intel Core i9-9900X @ 3.50GHz	23011	47	25.98	$885.90
Intel Core i9-9920X @ 3.50GHz	25170	31	28.53	$882.16
Intel Core i9-9940X @ 3.30GHz	27124	19	20.30	$1,335.89
Intel Core i9-9960X @ 3.10GHz	28129	14	17.47	$1,609.99
Intel Core i9-9980HK @ 2.40GHz	17626	117	30.23	$583.00*
Intel Core i9-9980XE @ 3.00GHz	29559	10	13.09	$2,259.00
Intel Core m3-6Y30 @ 0.90GHz	3025	1403	10.77	$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3521	1254	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3318	1308	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3706	1211	13.19	$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3347	1298	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3232	1331	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3470	1270	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2653	1529	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1629	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2821	1476	10.04	$281.00*
Intel Core M-5Y31 @ 0.90GHz	2832	1472	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2508	1582	NA	NA
Intel Core M-5Y70 @ 1.10GHz	2912	1444	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2991	1414	10.65	$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2701	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2694	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2612	NA	NA
Intel Core Solo U1300 @ 1.06GHz	270	2858	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2849	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2771	NA	NA
Intel E3000 @ 3.40GHz	2767	1493	NA	NA
Intel Pentium 4 1.40GHz	164	2956	NA	NA
Intel Pentium 4 1.50GHz	131	2973	NA	NA
Intel Pentium 4 1.60GHz	129	2975	NA	NA
Intel Pentium 4 1.70GHz	132	2972	NA	NA
Intel Pentium 4 1.80GHz	161	2959	NA	NA
Intel Pentium 4 1.90GHz	159	2960	NA	NA

Intel Pentium 4 2.00GHz	189	2938	NA	NA
Intel Pentium 4 2.20GHz	209	2920	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium 4 2.26GHz	221	2908	NA	NA
Intel Pentium 4 2.40GHz	228	2902	NA	NA
Intel Pentium 4 2.50GHz	245	2886	NA	NA
Intel Pentium 4 2.53GHz	248	2882	NA	NA
Intel Pentium 4 2.60GHz	288	2828	NA	NA
Intel Pentium 4 2.66GHz	254	2874	NA	NA
Intel Pentium 4 2.80GHz	322	2777	NA	NA
Intel Pentium 4 2.93GHz	293	2819	NA	NA
Intel Pentium 4 3.00GHz	353	2748	NA	NA
Intel Pentium 4 3.06GHz	347	2751	NA	NA
Intel Pentium 4 3.20GHz	373	2722	NA	NA
Intel Pentium 4 3.40GHz	395	2696	NA	NA
Intel Pentium 4 3.46GHz	454	2630	NA	NA
Intel Pentium 4 3.60GHz	486	2596	NA	NA
Intel Pentium 4 3.73GHz	486	2594	NA	NA
Intel Pentium 4 3.80GHz	485	2597	NA	NA
Intel Pentium 4 3.83GHz	195	2933	NA	NA
Intel Pentium 4 4.00GHz	184	2943	NA	NA
Intel Pentium 4 1300MHz	119	2979	NA	NA
Intel Pentium 4 1400MHz	127	2976	NA	NA
Intel Pentium 4 1500MHz	125	2977	NA	NA
Intel Pentium 4 1600MHz	193	2937	0.30	$647.45*
Intel Pentium 4 1700MHz	154	2963	NA	NA
Intel Pentium 4 1800MHz	162	2958	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2966	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2932	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2949	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2921	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2952	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2919	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2928	NA	NA
Intel Pentium 5 2.66GHz	705	2471	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2256	8.18	$134.00*
Intel Pentium 967 @ 1.30GHz	1139	2237	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2231	NA	NA
Intel Pentium 987 @ 1.50GHz	1222	2185	NA	NA

Intel Pentium 997 @ 1.60GHz	1395	2083	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1504	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1404	NA	NA
Intel Pentium 2020M @ 2.40GHz	2274	1671	16.97	$134.00*
Intel Pentium 2030M @ 2.50GHz	2398	1623	17.90	$134.00*
Intel Pentium 2117U @ 1.80GHz	1655	1967	12.35	$134.00*
Intel Pentium 2127U @ 1.90GHz	1821	1879	13.59	$134.00*
Intel Pentium 2129Y @ 1.10GHz	1062	2276	7.93	$134.00*
Intel Pentium 3550M @ 2.30GHz	2260	1678	NA	NA
Intel Pentium 3556U @ 1.70GHz	1674	1949	NA	NA
Intel Pentium 3558U @ 1.70GHz	1672	1953	NA	NA
Intel Pentium 3560M @ 2.40GHz	2269	1676	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	2163	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 3805U @ 1.90GHz	1965	1801	NA	NA
Intel Pentium 3825U @ 1.90GHz	2508	1581	NA	NA
Intel Pentium 4405U @ 2.10GHz	2928	1438	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1762	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2050	1766	12.73	$161.00*
Intel Pentium 4415U @ 2.30GHz	3148	1365	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2222	1697	13.80	$161.00*
Intel Pentium 4417U @ 2.30GHz	3185	1347	19.79	$161.00*
Intel Pentium 5405U @ 2.30GHz	3184	1348	19.78	$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1992	NA	NA
Intel Pentium B940 @ 2.00GHz	1727	1915	57.71	$29.94*
Intel Pentium B950 @ 2.10GHz	1715	1924	NA	NA
Intel Pentium B960 @ 2.20GHz	1852	1859	37.81	$48.99*
Intel Pentium B970 @ 2.30GHz	1953	1809	38.30	$50.99*
Intel Pentium B980 @ 2.40GHz	2027	1774	28.98	$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1182	29.56	$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2561	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2503	NA	NA
Intel Pentium D 915 @ 2.80GHz	583	2531	NA	NA
Intel Pentium D 940 @ 3.20GHz	709	2468	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2456	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2426	NA	NA
Intel Pentium E2140 @ 1.60GHz	871	2392	18.83	$46.25
Intel Pentium E2160 @ 1.80GHz	998	2314	64.39	$15.51*
Intel Pentium E2180 @ 2.00GHz	1088	2262	36.28	$29.99

Intel Pentium E2200 @ 2.20GHz	1203	2199	16.04	$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2211	NA	NA
Intel Pentium E2220 @ 2.40GHz	1330	2120	15.47	$85.99*
Intel Pentium E5200 @ 2.50GHz	1486	2048	24.80	$59.95
Intel Pentium E5300 @ 2.60GHz	1540	2018	66.99	$22.99
Intel Pentium E5400 @ 2.70GHz	1597	1998	89.93	$17.76*
Intel Pentium E5500 @ 2.80GHz	1635	1977	62.94	$25.99*
Intel Pentium E5700 @ 3.00GHz	1738	1912	115.96	$14.99*
Intel Pentium E5800 @ 3.20GHz	1887	1845	83.88	$22.50
Intel Pentium E6300 @ 2.80GHz	1706	1932	165.70	$10.30*
Intel Pentium E6500 @ 2.93GHz	1765	1896	11.18	$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1856	18.61	$100.00*
Intel Pentium E6700 @ 3.20GHz	1932	1818	64.44	$29.99
Intel Pentium E6800 @ 3.33GHz	1974	1795	22.19	$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2379	1.20	$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2341	NA	NA
Intel Pentium G620 @ 2.60GHz	2287	1663	91.55	$24.99*
Intel Pentium G620T @ 2.20GHz	2033	1771	25.42	$79.99*
Intel Pentium G630 @ 2.70GHz	2371	1634	23.72	$100.00
Intel Pentium G630T @ 2.30GHz	2089	1746	26.12	$79.99*
Intel Pentium G640 @ 2.80GHz	2519	1576	63.00	$40.00
Intel Pentium G640T @ 2.40GHz	1979	1792	NA	NA
Intel Pentium G645 @ 2.90GHz	2589	1549	64.74	$40.00
Intel Pentium G645T @ 2.50GHz	2257	1679	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium G840 @ 2.80GHz	2559	1563	73.15	$34.99*
Intel Pentium G850 @ 2.90GHz	2664	1527	89.18	$29.88
Intel Pentium G860 @ 3.00GHz	2737	1506	32.98	$82.99
Intel Pentium G870 @ 3.10GHz	2812	1479	29.00	$97.00*
Intel Pentium G2010 @ 2.80GHz	2599	1546	51.99	$50.00
Intel Pentium G2020 @ 2.90GHz	2752	1501	45.92	$59.95*
Intel Pentium G2020T @ 2.50GHz	2418	1614	50.81	$47.60*
Intel Pentium G2030 @ 3.00GHz	2868	1463	59.75	$48.00
Intel Pentium G2030T @ 2.60GHz	2487	1593	38.86	$64.00*
Intel Pentium G2100T @ 2.60GHz	2763	1498	NA	NA
Intel Pentium G2120 @ 3.10GHz	3079	1387	19.30	$159.55*
Intel Pentium G2130 @ 3.20GHz	3200	1341	64.01	$49.99*
Intel Pentium G2140 @ 3.30GHz	3377	1292	41.18	$82.00*
Intel Pentium G3220 @ 3.00GHz	3125	1373	31.06	$100.63

Intel Pentium G3220T @ 2.60GHz	2561	1562	40.67	$62.98*
Intel Pentium G3240 @ 3.10GHz	3153	1362	42.05	$74.99*
Intel Pentium G3240T @ 2.70GHz	2840	1467	NA	NA
Intel Pentium G3250 @ 3.20GHz	3242	1329	13.92	$232.84*
Intel Pentium G3250T @ 2.80GHz	2969	1425	33.00	$89.99*
Intel Pentium G3258 @ 3.20GHz	3865	1166	55.24	$69.98
Intel Pentium G3260 @ 3.30GHz	3357	1296	23.98	$139.99*
Intel Pentium G3260T @ 2.90GHz	2930	1436	32.56	$89.99*
Intel Pentium G3320TE @ 2.30GHz	2389	1626	NA	NA
Intel Pentium G3420 @ 3.20GHz	3396	1285	54.30	$62.55
Intel Pentium G3420T @ 2.70GHz	3008	1409	18.80	$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1286	37.74	$89.99*
Intel Pentium G3440 @ 3.30GHz	3319	1307	20.75	$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1379	NA	NA
Intel Pentium G3450 @ 3.40GHz	3695	1213	36.96	$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1426	NA	NA
Intel Pentium G3460 @ 3.50GHz	3584	1240	12.44	$288.20*
Intel Pentium G3470 @ 3.60GHz	3714	1207	35.62	$104.29*
Intel Pentium G4400 @ 3.30GHz	3539	1248	52.00	$68.08
Intel Pentium G4400T @ 2.90GHz	3163	1356	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1461	45.09	$64.00*
Intel Pentium G4500 @ 3.50GHz	3793	1184	38.51	$98.51
Intel Pentium G4500T @ 3.00GHz	3471	1269	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	1106	38.05	$109.98
Intel Pentium G4560 @ 3.50GHz	4862	968	45.47	$106.94
Intel Pentium G4560T @ 2.90GHz	3990	1139	36.28	$109.99*
Intel Pentium G4600 @ 3.60GHz	5076	921	21.15	$239.95
Intel Pentium G4600T @ 3.00GHz	4266	1090	24.06	$177.28*
Intel Pentium G4620 @ 3.70GHz	5214	900	45.88	$113.66*
Intel Pentium G6950 @ 2.80GHz	1860	1857	46.52	$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1726	22.72	$94.00*
Intel Pentium G6960 @ 2.93GHz	2059	1763	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5220	898	87.33	$59.78
Intel Pentium Gold G5400T @ 3.10GHz	4884	963	76.31	$64.00*
Intel Pentium Gold G5420 @ 3.80GHz	5468	861	81.25	$67.30
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium Gold G5420T @ 3.20GHz	5156	909	80.57	$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	902	30.57	$169.94*
Intel Pentium Gold G5500T @ 3.20GHz	4346	1072	57.95	$75.00*

Intel Pentium Gold G5600 @ 3.90GHz	5570	844	58.67	$94.95
Intel Pentium Gold G5600F @ 3.90GHz	5736	823	NA	NA
Intel Pentium III 933S @ 933MHz	238	2894	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2832	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2848	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2793	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2812	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2809	NA	NA
Intel Pentium III Mobile 750MHz	103	2982	NA	NA
Intel Pentium III Mobile 800MHz	182	2946	NA	NA
Intel Pentium III Mobile 866MHz	152	2964	NA	NA
Intel Pentium III Mobile 933MHz	218	2910	7.55	$28.99
Intel Pentium III Mobile 1000MHz	245	2885	NA	NA
Intel Pentium III Mobile 1066MHz	246	2884	NA	NA
Intel Pentium III Mobile 1133MHz	251	2878	NA	NA
Intel Pentium III Mobile 1200MHz	240	2892	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1868	NA	NA
Intel Pentium J2900 @ 2.41GHz	1973	1797	NA	NA
Intel Pentium J3710 @ 1.60GHz	1913	1829	NA	NA
Intel Pentium J4205 @ 1.50GHz	2269	1675	NA	NA
Intel Pentium M 1.10GHz	282	2839	NA	NA
Intel Pentium M 1.20GHz	298	2810	NA	NA
Intel Pentium M 1.30GHz	301	2803	NA	NA
Intel Pentium M 1.40GHz	345	2755	NA	NA
Intel Pentium M 1.50GHz	366	2732	NA	NA
Intel Pentium M 1.60GHz	364	2735	NA	NA
Intel Pentium M 1.70GHz	406	2680	NA	NA
Intel Pentium M 1.73GHz	412	2672	NA	NA
Intel Pentium M 1.80GHz	411	2673	NA	NA
Intel Pentium M 1.86GHz	438	2647	NA	NA
Intel Pentium M 2.00GHz	461	2622	NA	NA
Intel Pentium M 2.10GHz	448	2635	NA	NA
Intel Pentium M 2.13GHz	499	2585	NA	NA
Intel Pentium M 2.26GHz	509	2577	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2602	NA	NA
Intel Pentium M 900MHz	217	2914	NA	NA
Intel Pentium M 1000MHz	233	2898	NA	NA
Intel Pentium M 1100MHz	259	2870	NA	NA
Intel Pentium M 1200MHz	237	2895	NA	NA
Intel Pentium M 1300MHz	303	2797	NA	NA

Intel Pentium M 1400MHz	320	2779	NA	NA
Intel Pentium M 1500MHz	354	2745	NA	NA
Intel Pentium M 1600MHz	335	2765	NA	NA
Intel Pentium M 1700MHz	376	2717	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	2027	NA	NA
Intel Pentium N3520 @ 2.16GHz	1807	1881	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium N3530 @ 2.16GHz	1911	1830	NA	NA
Intel Pentium N3540 @ 2.16GHz	1932	1817	7.70	$250.87*
Intel Pentium N3700 @ 1.60GHz	1836	1869	4.13	$444.78*
Intel Pentium N3710 @ 1.60GHz	1864	1854	NA	NA
Intel Pentium N4200 @ 1.10GHz	2036	1769	8.70	$233.98*
Intel Pentium P6000 @ 1.87GHz	1243	2178	NA	NA
Intel Pentium P6100 @ 2.00GHz	1327	2122	46.67	$28.44*
Intel Pentium P6200 @ 2.13GHz	1351	2109	30.07	$44.95*
Intel Pentium P6300 @ 2.27GHz	1372	2097	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2905	1449	14.42	$201.49
Intel Pentium Silver N5000 @ 1.10GHz	2456	1601	15.26	$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2681	NA	NA
Intel Pentium SU4100 @ 1.30GHz	853	2404	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2408	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2492	NA	NA
Intel Pentium T2080 @ 1.73GHz	705	2472	4.41	$159.95*
Intel Pentium T2130 @ 1.86GHz	706	2469	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2458	NA	NA
Intel Pentium T2330 @ 1.60GHz	827	2415	NA	NA
Intel Pentium T2370 @ 1.73GHz	849	2406	24.26	$35.00*
Intel Pentium T2390 @ 1.86GHz	949	2353	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2330	NA	NA
Intel Pentium T3200 @ 2.00GHz	1032	2290	86.03	$12.00*
Intel Pentium T3400 @ 2.16GHz	1114	2244	12.39	$89.95*
Intel Pentium T4200 @ 2.00GHz	1151	2228	96.00	$12.00*
Intel Pentium T4300 @ 2.10GHz	1231	2182	NA	NA
Intel Pentium T4400 @ 2.20GHz	1281	2152	NA	NA
Intel Pentium T4500 @ 2.30GHz	1333	2118	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2421	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2351	NA	NA
Intel T1200 @ 1.50GHz	435	2653	NA	NA
Intel T1400 @ 1.73GHz	929	2366	NA	NA

Intel T1500 @ 1.86GHz	953	2349	NA	NA
Intel T2050 @ 2.00GHz	959	2345	NA	NA
Intel Xeon 2.00GHz	233	2897	NA	NA
Intel XEON 2.20GHz	252	2876	NA	NA
Intel Xeon 2.40GHz	276	2851	30.35	$9.10*
Intel Xeon 2.66GHz	435	2652	NA	NA
Intel Xeon 2.80GHz	400	2692	NA	NA
Intel Xeon 3.00GHz	391	2705	NA	NA
Intel Xeon 3.06GHz	491	2589	NA	NA
Intel Xeon 3.20GHz	461	2623	NA	NA
Intel Xeon 3.40GHz	478	2605	NA	NA
Intel Xeon 3.60GHz	509	2576	0.60	$851.00*
Intel Xeon 3.73GHz	1041	2286	NA	NA
Intel Xeon 3.80GHz	604	2520	0.71	$851.00*
Intel Xeon 1500MHz	193	2936	NA	NA
Intel Xeon 3040 @ 1.86GHz	1278	2155	51.05	$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2135	8.23	$157.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon 3060 @ 2.40GHz	1518	2028	66.07	$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	2026	72.77	$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1892	4.36	$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1867	5.26	$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	2007	NA	NA
Intel Xeon 5110 @ 1.60GHz	1084	2266	30.99	$35.00*
Intel Xeon 5120 @ 1.86GHz	1248	2177	0.77	$1,619.99*
Intel Xeon 5130 @ 2.00GHz	1366	2099	27.90	$48.99*
Intel Xeon 5133 @ 2.20GHz	1598	1996	NA	NA
Intel Xeon 5140 @ 2.33GHz	1636	1975	65.49	$24.99*
Intel Xeon 5148 @ 2.33GHz	1590	2002	121.17	$13.13*
Intel Xeon 5150 @ 2.66GHz	1740	1910	12.44	$139.95*
Intel Xeon 5160 @ 3.00GHz	1956	1804	39.13	$49.99
Intel Xeon @ 2.00GHz	11327	298	NA	NA
Intel Xeon @ 2.20GHz	1902	1834	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5632	831	24.49	$229.98
Intel Xeon Bronze 3106 @ 1.70GHz	6890	700	19.34	$356.27*
Intel Xeon D-1518 @ 2.20GHz	5322	887	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	821	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	688	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	562	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9643	418	27.71	$348.00*

Intel Xeon D-1537 @ 1.70GHz	7731	621	13.54	$571.00*
Intel Xeon D-1539 @ 1.60GHz	8443	541	17.37	$486.00*
Intel Xeon D-1540 @ 2.00GHz	10740	329	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11083	307	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	333	19.24	$555.00*
Intel Xeon D-1557 @ 1.50GHz	10950	316	15.78	$694.00*
Intel Xeon D-1559 @ 1.50GHz	8055	577	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	195	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	210	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8150	568	38.26	$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	253	23.13	$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	220	24.41	$566.00*
Intel Xeon D-2146NT @ 2.30GHz	10968	314	17.11	$641.00*
Intel Xeon D-2183IT @ 2.20GHz	19381	95	10.99	$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6250	759	130.23	$48.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6733	715	112.34	$59.94
Intel Xeon E3-1220 v3 @ 3.10GHz	7178	673	53.57	$133.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7772	615	29.17	$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7752	618	36.65	$211.54
Intel Xeon E3-1220L @ 2.20GHz	3606	1231	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	1058	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2070	1756	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	6097	784	95.29	$63.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6976	690	101.10	$69.00
Intel Xeon E3-1225 v3 @ 3.20GHz	7245	666	53.28	$135.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7834	606	25.19	$311.08
Intel Xeon E3-1225 v6 @ 3.30GHz	7958	594	29.99	$265.43
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1226 v3 @ 3.30GHz	7580	635	12.74	$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7851	604	81.79	$95.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8869	503	113.72	$78.00
Intel Xeon E3-1230 v3 @ 3.30GHz	9327	449	43.38	$215.00
Intel Xeon E3-1230 v5 @ 3.40GHz	9746	409	23.65	$412.18*
Intel Xeon E3-1230 v6 @ 3.50GHz	9784	404	36.38	$269.00
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	668	25.12	$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9631	421	18.89	$509.95
Intel Xeon E3-1235 @ 3.20GHz	7759	617	31.80	$244.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	742	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7975	593	81.39	$97.99

Intel Xeon E3-1240 V2 @ 3.40GHz	9155	465	72.15	$126.91
Intel Xeon E3-1240 v3 @ 3.40GHz	9677	415	25.18	$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10317	353	30.20	$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10472	347	35.14	$298.00
Intel Xeon E3-1240L v3 @ 2.00GHz	7486	640	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	612	28.03	$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10022	377	27.09	$369.99
Intel Xeon E3-1245 @ 3.30GHz	8041	578	75.88	$105.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9129	467	58.16	$156.99
Intel Xeon E3-1245 v3 @ 3.40GHz	9588	423	37.60	$255.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10169	365	29.45	$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10533	343	34.78	$302.90
Intel Xeon E3-1246 v3 @ 3.50GHz	9861	396	24.11	$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6250	760	111.57	$56.02
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	361	13.88	$736.16*
Intel Xeon E3-1265L @ 2.40GHz	5961	794	6.49	$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7455	647	50.37	$148.00
Intel Xeon E3-1265L v3 @ 2.50GHz	9204	463	12.97	$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	476	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	605	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	519	19.05	$456.54*
Intel Xeon E3-1270 @ 3.40GHz	8249	558	26.19	$315.00
Intel Xeon E3-1270 V2 @ 3.50GHz	9466	433	49.83	$189.99
Intel Xeon E3-1270 v3 @ 3.50GHz	9923	391	49.62	$199.99
Intel Xeon E3-1270 v5 @ 3.60GHz	10279	358	21.52	$477.62
Intel Xeon E3-1270 v6 @ 3.80GHz	11171	303	32.21	$346.82
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	331	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10117	371	11.39	$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8122	573	26.72	$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9435	440	23.91	$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	10048	375	25.06	$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10353	351	27.28	$379.52*
Intel Xeon E3-1275 v6 @ 3.80GHz	11028	309	28.59	$385.69
Intel Xeon E3-1275L v3 @ 2.70GHz	8901	500	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10209	363	9.51	$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8416	544	25.34	$332.20
Intel Xeon E3-1280 V2 @ 3.60GHz	9445	437	11.00	$859.00*
Intel Xeon E3-1280 v3 @ 3.60GHz	9774	408	21.77	$449.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1280 v5 @ 3.70GHz	10621	337	15.39	$690.01*

Intel Xeon E3-1280 v6 @ 3.90GHz	11041	308	18.64	$592.36*
Intel Xeon E3-1281 v3 @ 3.70GHz	10031	376	11.43	$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10458	348	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	346	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11992	282	18.58	$645.40
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	385	12.35	$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10961	315	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	392	11.80	$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	431	12.27	$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8768	511	9.91	$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9653	417	10.91	$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	752	NA	NA
Intel Xeon E3-1505L v6 @ 2.20GHz	7887	600	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8960	489	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9665	416	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10016	379	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9345	447	15.00	$623.00*
Intel Xeon E3-1535M v6 @ 3.10GHz	10563	340	16.96	$623.00*
Intel Xeon E3-1545M v5 @ 2.90GHz	10313	354	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10616	338	8.80	$1,207.00*
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	326	19.42	$556.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10135	367	22.78	$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7265	664	148.31	$48.99*
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	649	NA	NA
Intel Xeon E5-1428L v2 @ 2.20GHz	8679	522	17.57	$494.00*
Intel Xeon E5-1603 @ 2.80GHz	5578	843	279.36	$19.97*
Intel Xeon E5-1603 v3 @ 2.80GHz	6208	766	62.09	$99.99*
Intel Xeon E5-1603 v4 @ 2.80GHz	6454	744	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5877	803	210.27	$27.95*
Intel Xeon E5-1607 v2 @ 3.00GHz	6217	764	177.91	$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	7029	684	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7270	663	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9068	474	139.51	$65.00*
Intel Xeon E5-1620 v2 @ 3.70GHz	9500	430	161.05	$58.99
Intel Xeon E5-1620 v3 @ 3.50GHz	9743	410	76.19	$127.88
Intel Xeon E5-1620 v4 @ 3.50GHz	9927	390	25.56	$388.45
Intel Xeon E5-1630 v3 @ 3.70GHz	10228	360	21.40	$477.99
Intel Xeon E5-1630 v4 @ 3.70GHz	10310	355	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11734	288	23.71	$495.00*

Intel Xeon E5-1650 v2 @ 3.50GHz	12750	257	115.98	$109.94
Intel Xeon E5-1650 v3 @ 3.50GHz	13624	226	90.72	$150.18
Intel Xeon E5-1650 v4 @ 3.60GHz	14218	204	27.99	$508.00*
Intel Xeon E5-1660 @ 3.30GHz	12247	274	9.98	$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13919	214	49.36	$281.99*
Intel Xeon E5-1660 v3 @ 3.00GHz	14656	190	9.07	$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16203	148	13.18	$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16250	147	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16325	142	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-1680 v4 @ 3.40GHz	17063	126	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	108	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1253	73.80	$47.75*
Intel Xeon E5-2403 v2 @ 1.80GHz	3590	1239	99.76	$35.99*
Intel Xeon E5-2407 @ 2.20GHz	4188	1104	49.32	$84.92*
Intel Xeon E5-2407 v2 @ 2.40GHz	4724	992	51.49	$91.75
Intel Xeon E5-2418L @ 2.00GHz	5202	901	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7063	682	18.11	$390.02*
Intel Xeon E5-2420 v2 @ 2.20GHz	8750	516	187.79	$46.60
Intel Xeon E5-2430 @ 2.20GHz	7695	623	76.10	$101.12
Intel Xeon E5-2430 v2 @ 2.50GHz	9061	475	90.61	$100.00
Intel Xeon E5-2430L @ 2.00GHz	7834	607	242.71	$32.28*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	729	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9221	461	230.59	$39.99
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	453	18.22	$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	492	6.29	$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10332	352	172.26	$59.98*
Intel Xeon E5-2450L @ 1.80GHz	8261	557	63.55	$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10896	319	85.13	$128.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	11268	301	52.26	$215.64
Intel Xeon E5-2603 @ 1.80GHz	3591	1236	75.05	$47.85*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1191	62.78	$59.99*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	906	77.05	$67.23
Intel Xeon E5-2603 v4 @ 1.70GHz	5504	853	21.17	$260.00*
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	603	17.82	$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4607	1016	47.97	$96.04*
Intel Xeon E5-2609 v2 @ 2.50GHz	5160	908	108.63	$47.50*
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	799	55.66	$106.03*
Intel Xeon E5-2609 v4 @ 1.70GHz	6925	698	19.25	$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	278	NA	NA

Intel Xeon E5-2618L v4 @ 2.20GHz	14572	192	18.71	$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7905	597	272.69	$28.99
Intel Xeon E5-2620 v2 @ 2.10GHz	8600	530	63.27	$135.94
Intel Xeon E5-2620 v3 @ 2.40GHz	9986	383	118.89	$84.00
Intel Xeon E5-2620 v4 @ 2.10GHz	11324	299	29.80	$379.99
Intel Xeon E5-2623 v3 @ 3.00GHz	8988	483	13.85	$649.00*
Intel Xeon E5-2623 v4 @ 2.60GHz	8506	535	15.50	$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	442	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	270	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	244	9.61	$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	310	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8923	496	223.42	$39.94*
Intel Xeon E5-2630 v2 @ 2.60GHz	10378	349	236.20	$43.94
Intel Xeon E5-2630 v3 @ 2.40GHz	12797	254	137.61	$93.00
Intel Xeon E5-2630 v4 @ 2.20GHz	13913	216	24.89	$559.00
Intel Xeon E5-2630L @ 2.00GHz	8041	579	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	471	232.44	$39.10*
Intel Xeon E5-2630L v3 @ 1.80GHz	9727	411	28.62	$339.95*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	252	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2637 @ 3.00GHz	4508	1038	5.09	$885.00*
Intel Xeon E5-2637 v2 @ 3.50GHz	9224	460	68.78	$134.11
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	370	53.25	$190.00
Intel Xeon E5-2637 v4 @ 3.50GHz	10512	345	4.76	$2,208.95
Intel Xeon E5-2640 @ 2.50GHz	9424	441	97.87	$96.30
Intel Xeon E5-2640 v2 @ 2.00GHz	10213	362	64.00	$159.60*
Intel Xeon E5-2640 v3 @ 2.60GHz	13864	219	102.70	$135.00*
Intel Xeon E5-2640 v4 @ 2.40GHz	15420	172	16.76	$920.27*
Intel Xeon E5-2643 @ 3.30GHz	8450	538	140.94	$59.96
Intel Xeon E5-2643 v2 @ 3.50GHz	13121	242	82.04	$159.95
Intel Xeon E5-2643 v3 @ 3.40GHz	13887	217	53.41	$259.99
Intel Xeon E5-2643 v4 @ 3.40GHz	13475	235	7.48	$1,801.96
Intel Xeon E5-2648L @ 1.80GHz	6698	722	NA	NA
Intel Xeon E5-2648L v2 @ 1.90GHz	11381	296	7.70	$1,479.00*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	295	7.30	$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	224	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	189	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10259	359	235.85	$43.50
Intel Xeon E5-2650 v2 @ 2.60GHz	13247	239	151.24	$87.59

Intel Xeon E5-2650 v3 @ 2.30GHz	14883	186	121.48	$122.52
Intel Xeon E5-2650 v4 @ 2.20GHz	15867	161	15.73	$1,009.00
Intel Xeon E5-2650L @ 1.80GHz	8483	537	107.39	$79.00*
Intel Xeon E5-2650L v2 @ 1.70GHz	9880	395	72.74	$135.84*
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	232	58.19	$232.22
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	209	9.42	$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	300	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9632	420	6.59	$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13874	218	77.09	$179.99*
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	145	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	17275	120	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11255	302	85.39	$131.82*
Intel Xeon E5-2660 v2 @ 2.20GHz	13142	241	61.73	$212.89*
Intel Xeon E5-2660 v3 @ 2.60GHz	16429	138	51.35	$319.95
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	129	11.25	$1,499.99*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	211	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11746	287	114.75	$102.37*
Intel Xeon E5-2667 @ 2.90GHz	10670	334	206.39	$51.70*
Intel Xeon E5-2667 v2 @ 3.30GHz	16165	149	48.98	$330.00*
Intel Xeon E5-2667 v3 @ 3.20GHz	16011	154	44.48	$359.99
Intel Xeon E5-2667 v4 @ 3.20GHz	16631	134	8.53	$1,949.03*
Intel Xeon E5-2670 @ 2.60GHz	12371	268	85.32	$145.00
Intel Xeon E5-2670 v2 @ 2.50GHz	15021	181	71.87	$209.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16765	131	108.17	$154.99
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	143	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16401	139	23.43	$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21458	61	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15137	178	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	115	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	16993	127	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	30	9.35	$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12897	250	173.54	$74.32
Intel Xeon E5-2680 v2 @ 2.80GHz	15890	160	90.80	$175.00
Intel Xeon E5-2680 v3 @ 2.50GHz	18462	105	99.80	$184.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19864	82	13.16	$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	75	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17325	119	33.97	$509.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	99	8.62	$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	182	NA	NA

Intel Xeon E5-2686 v3 @ 2.00GHz	19255	97	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	84	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14341	200	69.28	$207.00
Intel Xeon E5-2687W v2 @ 3.40GHz	16343	141	48.79	$335.00
Intel Xeon E5-2687W v3 @ 3.10GHz	17795	113	30.16	$589.99
Intel Xeon E5-2687W v4 @ 3.00GHz	19863	83	9.13	$2,174.99*
Intel Xeon E5-2689 @ 2.60GHz	13281	238	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	87	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13723	222	133.72	$102.63
Intel Xeon E5-2690 v2 @ 3.00GHz	16391	140	60.13	$272.58
Intel Xeon E5-2690 v3 @ 2.60GHz	19286	96	83.85	$230.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21167	67	9.75	$2,169.99*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	153	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	16041	151	61.94	$258.99
Intel Xeon E5-2695 v3 @ 2.30GHz	19710	89	40.23	$489.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	76	3.49	$5,808.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	135	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22172	51	8.88	$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	66	7.05	$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17198	123	55.66	$309.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21425	64	44.12	$485.60
Intel Xeon E5-2697 v4 @ 2.30GHz	21435	63	7.02	$3,054.99*
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	49	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21042	68	28.47	$739.00
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	58	6.02	$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22340	50	18.48	$1,209.00
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	44	5.53	$4,239.00
Intel Xeon E5-4603 @ 2.00GHz	5014	940	89.38	$56.10
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	459	NA	NA
Intel Xeon E5-4610 @ 2.40GHz	9552	425	7.81	$1,223.00*
Intel Xeon E5-4610 v3 @ 1.70GHz	8853	505	7.26	$1,219.00*
Intel Xeon E5-4617 @ 2.90GHz	9313	451	103.59	$89.90*
Intel Xeon E5-4620 @ 2.20GHz	9248	457	68.91	$134.21*
Intel Xeon E5-4627 v2 @ 3.30GHz	12511	264	24.58	$508.95*
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	194	6.04	$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	170	6.97	$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10807	325	3.96	$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	258	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	306	NA	NA

Intel Xeon E5-4650 @ 2.70GHz	11685	291	166.96	$69.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4650L @ 2.60GHz	12145	279	101.22	$119.99*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	271	2.66	$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	159	11.36	$1,399.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	162	3.30	$4,800.00*
Intel Xeon E5-4669 v3 @ 2.10GHz	19615	93	3.63	$5,400.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	225	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1375	1.75	$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2159	1718	93.93	$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1611	247.99	$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1689	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	2081	148.77	$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1612	27.31	$88.78*
Intel Xeon E5310 @ 1.60GHz	2214	1700	45.19	$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1662	59.05	$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1580	141.45	$17.77*
Intel Xeon E5345 @ 2.33GHz	2886	1460	72.17	$39.99*
Intel Xeon E5405 @ 2.00GHz	2835	1470	70.97	$39.95*
Intel Xeon E5410 @ 2.33GHz	3259	1321	15.60	$208.95*
Intel Xeon E5420 @ 2.50GHz	3482	1268	55.31	$62.95*
Intel Xeon E5430 @ 2.66GHz	3751	1198	33.80	$110.99*
Intel Xeon E5440 @ 2.83GHz	3955	1147	39.95	$99.00*
Intel Xeon E5450 @ 3.00GHz	4180	1107	13.98	$298.94*
Intel Xeon E5462 @ 2.80GHz	3872	1164	141.84	$27.30*
Intel Xeon E5472 @ 3.00GHz	4085	1124	136.00	$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	2094	14.51	$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	2091	4.81	$287.01*
Intel Xeon E5504 @ 2.00GHz	2680	1521	38.32	$69.95*
Intel Xeon E5506 @ 2.13GHz	2974	1421	47.21	$63.01*
Intel Xeon E5507 @ 2.27GHz	3125	1372	6.84	$456.91*
Intel Xeon E5520 @ 2.27GHz	4380	1065	306.99	$14.27*
Intel Xeon E5530 @ 2.40GHz	4494	1041	345.72	$13.00*
Intel Xeon E5540 @ 2.53GHz	4747	991	80.46	$59.00*
Intel Xeon E5603 @ 1.60GHz	2366	1637	18.34	$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1397	18.29	$167.00*
Intel Xeon E5607 @ 2.27GHz	3371	1294	48.71	$69.21*
Intel Xeon E5620 @ 2.40GHz	4770	984	80.87	$58.99*
Intel Xeon E5630 @ 2.53GHz	5055	927	144.43	$35.00*
Intel Xeon E5640 @ 2.67GHz	5250	892	187.60	$27.99*

Intel Xeon E5645 @ 2.40GHz	6424	747	79.01	$81.31*
Intel Xeon E5649 @ 2.53GHz	6869	702	66.01	$104.07*
Intel Xeon E7320 @ 2.13GHz	2413	1616	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	608	40.54	$193.00*
Intel Xeon E-2124 @ 3.30GHz	9444	438	42.93	$219.99*
Intel Xeon E-2124G @ 3.40GHz	9891	393	38.04	$260.00
Intel Xeon E-2126G @ 3.30GHz	13583	228	45.28	$299.99*
Intel Xeon E-2134 @ 3.50GHz	10882	321	39.45	$275.83*
Intel Xeon E-2136 @ 3.30GHz	15793	165	48.68	$324.46*
Intel Xeon E-2144G @ 3.60GHz	11381	297	32.34	$351.90*
Intel Xeon E-2146G @ 3.50GHz	15620	167	44.00	$354.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E-2174G @ 3.80GHz	12278	273	30.47	$402.99*
Intel Xeon E-2176G @ 3.70GHz	15584	168	34.82	$447.61*
Intel Xeon E-2176M @ 2.70GHz	13566	229	30.15	$450.00*
Intel Xeon E-2186G @ 3.80GHz	15838	163	30.17	$524.99*
Intel Xeon E-2186M @ 2.90GHz	14526	193	23.32	$623.00*
Intel Xeon E-2224 @ 3.40GHz	10128	369	51.16	$198.00*
Intel Xeon E-2224G @ 3.50GHz	9617	422	44.12	$218.00*
Intel Xeon E-2226G @ 3.40GHz	12887	251	49.57	$260.00*
Intel Xeon E-2236 @ 3.40GHz	15781	166	54.61	$289.00*
Intel Xeon E-2244G @ 3.80GHz	12782	255	46.99	$272.00*
Intel Xeon E-2246G @ 3.60GHz	16023	152	51.52	$311.00*
Intel Xeon E-2274G @ 4.00GHz	12595	262	37.71	$334.00*
Intel Xeon E-2276G @ 3.80GHz	14143	206	39.07	$362.00*
Intel Xeon E-2276M @ 2.80GHz	14422	196	32.05	$450.00*
Intel Xeon E-2278G @ 3.40GHz	17670	114	35.77	$494.00*
Intel Xeon E-2278GEL @ 2.00GHz	13914	215	28.17	$494.00*
Intel Xeon E-2286G @ 4.00GHz	16270	146	36.16	$450.00*
Intel Xeon E-2286M @ 2.40GHz	18203	110	29.22	$623.00*
Intel Xeon E-2288G @ 3.70GHz	19666	91	36.49	$539.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	133	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16435	137	15.23	$1,078.91
Intel Xeon Gold 5120 @ 2.20GHz	18253	107	11.69	$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	111	10.51	$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10896	320	8.38	$1,299.95
Intel Xeon Gold 5218 @ 2.30GHz	22576	48	15.44	$1,462.47
Intel Xeon Gold 6126 @ 2.60GHz	19711	88	10.43	$1,889.97*
Intel Xeon Gold 6128 @ 3.40GHz	14941	184	8.49	$1,759.75*

Intel Xeon Gold 6130 @ 2.10GHz	19643	92	11.02	$1,783.09
Intel Xeon Gold 6132 @ 2.60GHz	23907	40	10.87	$2,199.90*
Intel Xeon Gold 6134 @ 3.20GHz	18206	109	8.02	$2,269.95
Intel Xeon Gold 6136 @ 3.00GHz	21034	69	8.05	$2,613.59*
Intel Xeon Gold 6137 @ 3.90GHz	20443	73	NA	NA
Intel Xeon Gold 6138 @ 2.00GHz	25774	24	9.55	$2,698.95*
Intel Xeon Gold 6140 @ 2.30GHz	23964	39	9.82	$2,439.99*
Intel Xeon Gold 6144 @ 3.50GHz	19667	90	6.72	$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	32	5.46	$4,608.95*
Intel Xeon Gold 6148 @ 2.40GHz	25817	23	8.83	$2,925.00*
Intel Xeon Gold 6152 @ 2.10GHz	23498	42	5.72	$4,108.95
Intel Xeon Gold 6154 @ 3.00GHz	27722	17	7.09	$3,909.00*
Intel Xeon Gold 6210U @ 2.50GHz	28560	13	13.87	$2,059.86*
Intel Xeon Gold 6212U @ 2.40GHz	28060	16	14.03	$2,000.00*
Intel Xeon Gold 6230 @ 2.10GHz	24600	33	11.69	$2,104.95
Intel Xeon Gold 6242 @ 2.80GHz	25313	28	9.49	$2,667.66
Intel Xeon Gold 6246 @ 3.30GHz	25734	26	7.83	$3,286.00*
Intel Xeon Gold 6254 @ 3.10GHz	30018	9	8.09	$3,709.00
Intel Xeon L3110 @ 3.00GHz	2273	1672	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1193	42.18	$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2116	4.83	$277.01*
Intel Xeon L3426 @ 1.87GHz	3943	1155	8.82	$447.01*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon L5238 @ 2.66GHz	1823	1878	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1674	72.33	$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1668	20.22	$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1725	30.52	$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1500	146.68	$18.79*
Intel Xeon L5408 @ 2.13GHz	3014	1405	NA	NA
Intel Xeon L5410 @ 2.33GHz	3358	1295	33.56	$100.08*
Intel Xeon L5420 @ 2.50GHz	3501	1263	127.32	$27.50*
Intel Xeon L5430 @ 2.66GHz	3712	1208	23.51	$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1206	16.59	$224.00*
Intel Xeon L5520 @ 2.27GHz	4324	1079	337.35	$12.82*
Intel Xeon L5530 @ 2.40GHz	4389	1064	227.93	$19.26*
Intel Xeon L5630 @ 2.13GHz	4338	1075	206.69	$20.99*
Intel Xeon L5638 @ 2.00GHz	5622	833	80.43	$69.90*
Intel Xeon L5639 @ 2.13GHz	6869	701	NA	NA
Intel Xeon L5640 @ 2.27GHz	6232	762	74.77	$83.36*
Intel Xeon L7455 @ 2.13GHz	3836	1174	NA	NA

Intel Xeon MV 3.20GHz	683	2484	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	20	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	695	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	11	4.95	$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	12	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	15	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	24434	38	2.80	$8,725.00*
Intel Xeon Silver 4108 @ 1.80GHz	10722	330	21.03	$509.95*
Intel Xeon Silver 4109T @ 2.00GHz	10946	317	21.85	$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11657	292	30.97	$376.41
Intel Xeon Silver 4112 @ 2.60GHz	8611	528	16.75	$513.99*
Intel Xeon Silver 4114 @ 2.20GHz	14278	201	24.79	$575.89
Intel Xeon Silver 4116 @ 2.10GHz	15509	171	17.15	$904.25
Intel Xeon Silver 4123 @ 3.00GHz	15185	176	NA	NA
Intel Xeon Silver 4208 @ 2.10GHz	13116	243	26.46	$495.80
Intel Xeon Silver 4210 @ 2.20GHz	15974	156	27.12	$589.00
Intel Xeon Silver 4214 @ 2.20GHz	17630	116	27.98	$630.21
Intel Xeon Silver 4215 @ 2.50GHz	15200	175	16.17	$939.95
Intel Xeon Silver 4216 @ 2.10GHz	19538	94	20.10	$972.00
Intel Xeon W3503 @ 2.40GHz	1757	1901	175.90	$9.99*
Intel Xeon W3505 @ 2.53GHz	1844	1864	74.18	$24.86*
Intel Xeon W3520 @ 2.67GHz	4940	952	102.93	$48.00*
Intel Xeon W3530 @ 2.80GHz	5217	899	17.75	$293.95*
Intel Xeon W3540 @ 2.93GHz	5399	871	271.06	$19.92*
Intel Xeon W3550 @ 3.07GHz	5567	845	185.63	$29.99*
Intel Xeon W3565 @ 3.20GHz	5776	814	288.99	$19.99*
Intel Xeon W3570 @ 3.20GHz	6047	788	12.60	$479.95*
Intel Xeon W3580 @ 3.33GHz	6183	768	28.83	$214.50*
Intel Xeon W3670 @ 3.20GHz	8021	583	16.04	$499.99*
Intel Xeon W3680 @ 3.33GHz	8904	498	55.67	$159.95*
Intel Xeon W3690 @ 3.47GHz	8978	486	46.04	$195.01
Intel Xeon W5580 @ 3.20GHz	5836	809	54.53	$107.03*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon W5590 @ 3.33GHz	6088	785	2.43	$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	6981	687	29.70	$235.05*
Intel Xeon W-2104 @ 3.20GHz	7475	643	29.32	$255.00*
Intel Xeon W-2123 @ 3.60GHz	10663	335	33.43	$318.99
Intel Xeon W-2125 @ 4.00GHz	12325	269	25.25	$488.10*
Intel Xeon W-2133 @ 3.60GHz	14382	197	23.31	$617.00*

Intel Xeon W-2135 @ 3.70GHz	16307	144	18.19	$896.60*
Intel Xeon W-2140B @ 3.20GHz	18620	101	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19770	86	16.63	$1,188.75
Intel Xeon W-2150B @ 3.00GHz	21451	62	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21917	55	14.32	$1,530.39*
Intel Xeon W-2170B @ 2.50GHz	24561	35	NA	NA
Intel Xeon W-2175 @ 2.50GHz	24454	37	11.66	$2,097.47
Intel Xeon W-2195 @ 2.30GHz	24481	36	7.04	$3,478.65
Intel Xeon W-3175X @ 3.10GHz	33538	4	10.90	$3,075.59
Intel Xeon W-3235 @ 3.30GHz	25759	25	15.75	$1,635.77
Intel Xeon W-3265 @ 2.70GHz	31691	7	6.96	$4,551.37
Intel Xeon X3210 @ 2.13GHz	2740	1505	14.76	$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1383	51.35	$60.15*
Intel Xeon X3230 @ 2.66GHz	3398	1284	47.53	$71.50*
Intel Xeon X3320 @ 2.50GHz	3306	1312	14.41	$229.50*
Intel Xeon X3323 @ 2.50GHz	3178	1350	164.16	$19.36*
Intel Xeon X3330 @ 2.66GHz	3340	1304	15.91	$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1179	63.69	$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1170	52.43	$73.50*
Intel Xeon X3360 @ 2.83GHz	3925	1160	24.85	$157.95*
Intel Xeon X3363 @ 2.83GHz	3982	1140	116.84	$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	1086	11.70	$367.02*
Intel Xeon X3380 @ 3.16GHz	4600	1019	9.02	$509.95*
Intel Xeon X3430 @ 2.40GHz	3343	1302	104.52	$31.99*
Intel Xeon X3440 @ 2.53GHz	4511	1037	31.78	$141.96*
Intel Xeon X3450 @ 2.67GHz	4748	989	59.39	$79.95*
Intel Xeon X3460 @ 2.80GHz	5147	911	14.42	$357.00*
Intel Xeon X3470 @ 2.93GHz	5332	882	33.34	$159.95*
Intel Xeon X3480 @ 3.07GHz	5661	828	NA	NA
Intel Xeon X5260 @ 3.33GHz	2455	1602	45.47	$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1566	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1625	17.10	$140.00*
Intel Xeon X5355 @ 2.66GHz	3170	1353	10.23	$309.95
Intel Xeon X5365 @ 3.00GHz	3524	1252	45.19	$77.99*
Intel Xeon X5450 @ 3.00GHz	4106	1120	68.49	$59.96*
Intel Xeon X5460 @ 3.16GHz	4323	1080	43.33	$99.78*
Intel Xeon X5470 @ 3.33GHz	4577	1025	24.22	$189.00*
Intel Xeon X5472 @ 3.00GHz	4001	1136	17.78	$225.00*
Intel Xeon X5482 @ 3.20GHz	4528	1035	45.29	$99.99*
Intel Xeon X5492 @ 3.40GHz	4865	966	3.50	$1,391.29*

Intel Xeon X5550 @ 2.67GHz	5270	890	17.29	$304.85*
Intel Xeon X5560 @ 2.80GHz	5405	868	159.04	$33.99*
Intel Xeon X5570 @ 2.93GHz	5615	836	23.40	$239.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X5647 @ 2.93GHz	5797	810	290.91	$19.93*
Intel Xeon X5650 @ 2.67GHz	7291	661	105.02	$69.43*
Intel Xeon X5660 @ 2.80GHz	7589	632	120.11	$63.19*
Intel Xeon X5667 @ 3.07GHz	6198	767	265.70	$23.33*
Intel Xeon X5670 @ 2.93GHz	7810	610	229.72	$34.00
Intel Xeon X5672 @ 3.20GHz	6461	743	143.61	$44.99*
Intel Xeon X5675 @ 3.07GHz	7993	588	150.84	$52.99
Intel Xeon X5677 @ 3.47GHz	6754	712	79.46	$85.00*
Intel Xeon X5679 @ 3.20GHz	8958	490	NA	NA
Intel Xeon X5680 @ 3.33GHz	8354	552	126.08	$66.26
Intel Xeon X5687 @ 3.60GHz	6967	691	123.71	$56.32*
Intel Xeon X5690 @ 3.47GHz	8792	509	74.52	$118.00
Intel Xeon X5698 @ 4.40GHz	4272	1088	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1419	NA	NA
Mobile AMD Athlon 4	314	2787	3.62	$86.99*
Mobile AMD Athlon 4 2400+	358	2742	NA	NA
Mobile AMD Athlon 64 2700+	398	2693	NA	NA
Mobile AMD Athlon 64 2800+	440	2644	NA	NA
Mobile AMD Athlon 64 3000+	450	2632	NA	NA
Mobile AMD Athlon 64 3200+	448	2636	NA	NA
Mobile AMD Athlon 64 3400+	511	2575	NA	NA
Mobile AMD Athlon 64 3700+	435	2654	NA	NA
Mobile AMD Athlon 64 4000+	576	2536	NA	NA
Mobile AMD Athlon 1400+	266	2862	NA	NA
Mobile AMD Athlon 2500+	370	2726	NA	NA
Mobile AMD Athlon MP-M 1800+	265	2863	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2716	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2816	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2587	NA	NA
Mobile AMD Athlon XP	572	2540	45.81	$12.49
Mobile AMD Athlon XP-M	512	2574	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2944	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2866	NA	NA
Mobile AMD Athlon XP-M 1600+	260	2868	NA	NA
Mobile AMD Athlon XP-M 1700+	323	2775	NA	NA

Mobile AMD Athlon XP-M 1800+	297	2811	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2759	NA	NA
Mobile AMD Athlon XP-M 2000+	300	2805	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2736	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2754	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2752	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2725	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2734	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2733	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2645	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2593	NA	NA
Mobile AMD Athlon XP-M (LV)	508	2578	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2824	NA	NA
Mobile AMD Athlon XP-M (LV) 1600+	296	2815	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Mobile AMD Athlon XP-M (LV) 2000+	335	2764	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2723	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2609	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2581	NA	NA
Mobile AMD Sempron 2100+	252	2877	NA	NA
Mobile AMD Sempron 2600+	394	2699	NA	NA
Mobile AMD Sempron 2800+	364	2737	NA	NA
Mobile AMD Sempron 3000+	389	2710	NA	NA
Mobile AMD Sempron 3100+	416	2667	NA	NA
Mobile AMD Sempron 3200+	354	2746	NA	NA
Mobile AMD Sempron 3300+	446	2640	NA	NA
Mobile AMD Sempron 3400+	441	2643	NA	NA
Mobile AMD Sempron 3500+	408	2676	NA	NA
Mobile AMD Sempron 3600+	427	2661	NA	NA
Mobile AMD Sempron 3800+	485	2598	NA	NA
Mobile Intel Celeron 1.20GHz	170	2955	NA	NA
Mobile Intel Celeron 1.50GHz	188	2939	NA	NA
Mobile Intel Celeron 1.60GHz	188	2940	NA	NA
Mobile Intel Celeron 1.70GHz	181	2948	NA	NA
Mobile Intel Celeron 1.80GHz	186	2942	NA	NA
Mobile Intel Celeron 2.00GHz	204	2924	NA	NA
Mobile Intel Celeron 2.20GHz	226	2904	NA	NA
Mobile Intel Celeron 2.40GHz	236	2896	NA	NA
Mobile Intel Celeron 2.50GHz	281	2843	NA	NA
Mobile Intel Celeron 1200MHz	294	2817	NA	NA

Mobile Intel Celeron 1333MHz	280	2845	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2850	6.38	$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2865	NA	NA
Mobile Intel Pentium 4 2.66GHz	279	2847	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2785	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2761	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2743	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2646	NA	NA
Mobile Intel Pentium 4 3.46GHz	478	2606	NA	NA
Mobile Intel Pentium 4 - M 1.60GHz	195	2934	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2954	1.10	$157.81
Mobile Intel Pentium 4 - M 1.80GHz	175	2951	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2899	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2929	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2931	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2915	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2872	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2789	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2918	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2930	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2880	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2822	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2905	NA	NA
Mobile Intel Pentium III - M 1333MHz	289	2823	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Pentium Dual-Core E6000 @ 3.46GHz	2501	1587	NA	NA
Quad-Core AMD Opteron 1385	3442	1277	63.75	$54.00*
Quad-Core AMD Opteron 1389	3446	1275	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1440	NA	NA
VIA C3 Ezra	100	2983	NA	NA
VIA C7 1500MHz	284	2834	NA	NA
VIA C7-D 1500MHz	287	2830	NA	NA
VIA C7-D 1800MHz	203	2926	NA	NA
VIA C7-D 2000MHz	368	2729	NA	NA
VIA C7-M 1000MHz	164	2957	NA	NA
VIA C7-M 1200MHz	140	2970	NA	NA
VIA C7-M 1600MHz	178	2950	NA	NA
VIA C7-M 6300MHz	222	2907	NA	NA
VIA Eden 800MHz	155	2961	NA	NA

VIA Eden 1000MHz	123	2978	NA	NA
VIA Eden 1200MHz	142	2969	NA	NA
VIA Eden C1050@1.06GHz	352	2749	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	499	2584	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1262	2165	NA	NA
VIA Esther 1000MHz	146	2968	NA	NA
VIA Esther 1300MHz	250	2879	NA	NA
VIA Esther 1500MHz	219	2909	NA	NA
VIA Esther 2000MHz	394	2698	NA	NA
VIA Nano L1900@1400MHz	457	2626	NA	NA
VIA Nano L2007@1600MHz	369	2727	NA	NA
VIA Nano L2100@1800MHz	428	2659	NA	NA
VIA Nano L2207@1600MHz	296	2813	NA	NA
VIA Nano L3025@1600MHz	517	2571	NA	NA
VIA Nano L3050@1800MHz	581	2533	NA	NA
VIA Nano L3600@2000MHz	645	2500	NA	NA
VIA Nano U2250 (1.6GHz Capable)	415	2668	NA	NA
VIA Nano U2250@1300+MHz	274	2854	NA	NA
VIA Nano U2500@1200MHz	306	2796	NA	NA
VIA Nano U3100 (1.6GHz Capable)	501	2582	NA	NA
VIA Nano U3300@1200MHz	409	2675	NA	NA
VIA Nano U3500@1000MHz	275	2852	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2518	NA	NA
VIA Nehemiah	155	2962	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1836	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	2103	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2212	NA	NA
VIA Samuel 2	79	2985	NA	NA
ZHAOXIN KaiXian KX-U6780A@2.7GHz	5760	820	NA	NA
ZHAOXIN KaiXian ZX-C+ C4700@2.0GHz	2069	1757	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	332	3.61	$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	153	100.33	$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	438	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	444	2.95	$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	490	NA	NA

[Dual CPU] AMD EPYC 7251	12955	209	12.30	$1,053.18
[Dual CPU] AMD EPYC 7261	12430	216	13.89	$894.96
[Dual CPU] AMD EPYC 7281	13293	205	11.22	$1,184.36
[Dual CPU] AMD EPYC 7371	19370	134	6.25	$3,100.00*
[Dual CPU] AMD EPYC 7401	23518	82	7.24	$3,249.80
[Dual CPU] AMD EPYC 7451	28957	47	6.08	$4,764.74
[Dual CPU] AMD EPYC 7501	28991	46	7.03	$4,121.72
[Dual CPU] AMD EPYC 7542	46721	3	NA	NA
[Dual CPU] AMD EPYC 7551	31452	34	11.08	$2,839.80
[Dual CPU] AMD EPYC 7601	33545	26	5.33	$6,299.12
[Dual CPU] AMD EPYC 7742	55574	1	4.00	$13,900.00*
[Dual CPU] AMD Opteron 246	1130	479	28.26	$39.98*
[Dual CPU] AMD Opteron 248	1053	480	5.27	$199.90
[Dual CPU] AMD Opteron 250	1438	475	65.36	$22.00*
[Dual CPU] AMD Opteron 252	1418	476	11.19	$126.72*
[Dual CPU] AMD Opteron 254	816	485	NA	NA
[Dual CPU] AMD Opteron 256	1853	472	48.76	$38.00*
[Dual CPU] AMD Opteron 265	2010	470	13.77	$146.00
[Dual CPU] AMD Opteron 270	2226	466	1.83	$1,214.94*
[Dual CPU] AMD Opteron 275	2133	469	13.00	$164.10*
[Dual CPU] AMD Opteron 280	2452	461	18.86	$130.00
[Dual CPU] AMD Opteron 285	2769	451	17.32	$159.90
[Dual CPU] AMD Opteron 290	2716	453	10.06	$270.00*
[Dual CPU] AMD Opteron 850	1410	477	0.47	$3,028.00*
[Dual CPU] AMD Opteron 885	2851	447	NA	NA
[Dual CPU] AMD Opteron 2212	2203	467	55.08	$40.00*
[Dual CPU] AMD Opteron 2214	2344	462	40.41	$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	460	NA	NA
[Dual CPU] AMD Opteron 2216	2485	459	48.16	$51.60
[Dual CPU] AMD Opteron 2216 HE	2593	455	NA	NA
[Dual CPU] AMD Opteron 2218	2719	452	17.00	$159.90
[Dual CPU] AMD Opteron 2218 HE	2514	456	NA	NA
[Dual CPU] AMD Opteron 2220	2854	446	17.85	$159.90
[Dual CPU] AMD Opteron 2220 SE	2882	445	57.64	$50.00*
[Dual CPU] AMD Opteron 2222	2998	442	0.90	$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	436	45.30	$71.90*
[Dual CPU] AMD Opteron 2346 HE	4095	426	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	433	7.36	$471.66*
[Dual CPU] AMD Opteron 2350	4078	427	25.50	$159.90*
[Dual CPU] AMD Opteron 2354	4554	415	6.86	$664.06*

[Dual CPU] AMD Opteron 2356	4441	418	42.70	$104.00*
[Dual CPU] AMD Opteron 2360 SE	5315	397	75.93	$70.00
[Dual CPU] AMD Opteron 2373 EE	4164	424	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	411	36.92	$130.00
[Dual CPU] AMD Opteron 2376	5238	398	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	396	14.85	$358.00*
[Dual CPU] AMD Opteron 2380	5560	390	61.78	$90.00
[Dual CPU] AMD Opteron 2384	5714	383	3.40	$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	370	NA	NA
[Dual CPU] AMD Opteron 2389	5677	384	48.11	$118.00*
[Dual CPU] AMD Opteron 2419	5191	400	216.47	$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	371	NA	NA
[Dual CPU] AMD Opteron 2427	5907	380	36.94	$159.90
[Dual CPU] AMD Opteron 2431	6438	364	80.48	$80.00*
[Dual CPU] AMD Opteron 2435	7068	348	54.37	$130.00
[Dual CPU] AMD Opteron 2439 SE	8071	318	44.84	$179.98*
[Dual CPU] AMD Opteron 4122	4076	428	16.31	$249.98*
[Dual CPU] AMD Opteron 4130	5651	386	24.58	$229.90*
[Dual CPU] AMD Opteron 4170 HE	6344	367	53.76	$118.00*
[Dual CPU] AMD Opteron 4180	6367	365	7.77	$819.90*
[Dual CPU] AMD Opteron 4184	7813	322	7.51	$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	317	80.90	$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	319	NA	NA
[Dual CPU] AMD Opteron 4234	8953	292	19.46	$459.98*
[Dual CPU] AMD Opteron 4274 HE	6797	355	84.98	$79.98*
[Dual CPU] AMD Opteron 4276 HE	9681	276	NA	NA
[Dual CPU] AMD Opteron 4280	4525	416	45.25	$100.00*
[Dual CPU] AMD Opteron 4284	9151	285	76.27	$119.98*
[Dual CPU] AMD Opteron 4334	9462	283	21.86	$432.84*
[Dual CPU] AMD Opteron 4340	10419	256	21.71	$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	264	8.15	$1,257.44*
[Dual CPU] AMD Opteron 4386	11410	237	40.75	$279.98*
[Dual CPU] AMD Opteron 6128	6762	356	178.04	$37.98
[Dual CPU] AMD Opteron 6128 HE	5582	389	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	302	NA	NA
[Dual CPU] AMD Opteron 6134	7586	334	86.22	$87.98*
[Dual CPU] AMD Opteron 6136	7255	342	32.98	$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	403	NA	NA

[Dual CPU] AMD Opteron 6168	7741	329	6.67	$1,159.90
[Dual CPU] AMD Opteron 6172	7621	333	19.24	$396.00*
[Dual CPU] AMD Opteron 6174	7783	324	59.87	$130.00
[Dual CPU] AMD Opteron 6176 SE	8448	307	26.57	$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	439	16.40	$189.90
[Dual CPU] AMD Opteron 6204	7134	344	50.96	$139.98*
[Dual CPU] AMD Opteron 6212	8927	296	148.83	$59.98*
[Dual CPU] AMD Opteron 6220	10740	251	89.51	$119.98*
[Dual CPU] AMD Opteron 6234	10079	269	168.26	$59.90*
[Dual CPU] AMD Opteron 6238	10349	258	14.38	$719.78*
[Dual CPU] AMD Opteron 6272	9841	273	70.30	$139.98
[Dual CPU] AMD Opteron 6274	10536	253	117.09	$89.98
[Dual CPU] AMD Opteron 6275	10900	249	NA	NA
[Dual CPU] AMD Opteron 6276	10101	268	29.88	$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	230	17.12	$699.98*
[Dual CPU] AMD Opteron 6308	8349	309	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	252	20.88	$513.18
[Dual CPU] AMD Opteron 6328	12013	229	16.73	$718.00
[Dual CPU] AMD Opteron 6344	11203	242	14.40	$778.00*
[Dual CPU] AMD Opteron 6348	11412	236	18.64	$612.20
[Dual CPU] AMD Opteron 6366 HE	12147	223	202.52	$59.98*
[Dual CPU] AMD Opteron 6376	10452	255	80.40	$130.00
[Dual CPU] AMD Opteron 6378	9145	286	24.07	$380.00
[Dual CPU] AMD Opteron 6380	14200	188	120.34	$118.00
[Dual CPU] AMD Opteron 6386 SE	12195	222	42.05	$289.98
[Dual CPU] AMD Opteron 8218	2831	448	61.54	$46.00*
[Dual CPU] AMD Opteron 8220	2510	457	15.70	$159.90
[Dual CPU] AMD Opteron 8222 SE	2793	450	0.45	$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	437	67.15	$48.00
[Dual CPU] AMD Opteron 8380	5643	387	13.70	$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	399	NA	NA
[Dual CPU] AMD Opteron 8389	6517	361	41.25	$158.00*
[Dual CPU] AMD Opteron 8431	5813	381	207.76	$27.98*
[Dual CPU] AMD Opteron 8435	6739	357	46.80	$144.00*
[Dual CPU] AMD Opteron 8439 SE	7691	331	64.09	$120.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	478	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	464	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	432	NA	NA

[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	321	2.19	$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	499	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	497	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	539	494	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	540	493	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	500	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	501	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	498	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	496	25.99	$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	491	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	679	487	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	486	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	489	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	484	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	889	483	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	927	482	0.54	$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1854	471	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	481	0.58	$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2137	468	30.53	$70.00*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2315	463	0.71	$3,239.98*
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2619	454	26.73	$97.98*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	440	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2975	443	59.52	$49.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	441	114.20	$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3409	434	12.18	$279.90*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3826	430	38.27	$99.98
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8929	295	19.41	$459.96
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	11012	246	15.45	$712.54*
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	372	64.96	$95.50*
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	369	87.58	$71.98*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	340	43.00	$169.84*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	288	49.14	$183.50
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11299	239	14.49	$780.04*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	231	127.79	$93.20

[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	312	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13220	208	65.37	$202.24
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	192	68.82	$200.00
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	10818	250	167.57	$64.56*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	219	NA	NA
[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz	12419	217	155.28	$79.98
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	210	12.60	$1,019.90*
[Dual CPU] Intel Xeon E5-2448L @ 1.80GHz	11334	238	NA	NA
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	14276	187	119.01	$119.96*
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	15106	179	77.85	$194.04
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11696	233	44.98	$260.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	13442	202	52.51	$256.00*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	143	43.06	$431.28
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	368	66.25	$95.70*
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	360	54.34	$119.98*
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8369	308	62.24	$134.46
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8932	294	17.18	$520.00*
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8162	315	42.49	$192.08*
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	9017	289	94.92	$95.00*
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10029	271	47.29	$212.06*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10993	247	15.28	$719.46*
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12227	221	210.88	$57.98
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13225	207	48.64	$271.88
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15266	176	90.87	$168.00
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16453	162	21.65	$759.98
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14339	186	11.05	$1,298.00*
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12620	213	11.49	$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	184	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13443	201	168.29	$79.88*
[Dual CPU] Intel Xeon E5-2630 v2 @	15944	168	181.43	$87.88

2.60GHz				
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18452	147	99.20	$186.00
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18725	142	16.75	$1,118.00
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11172	243	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13706	194	175.27	$78.20*
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	178	22.33	$679.90*
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7706	330	4.35	$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15884	170	59.22	$268.22
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16395	163	43.14	$380.00
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16703	161	3.78	$4,417.90
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14644	183	76.03	$192.60
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14505	185	45.44	$319.20*
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	19797	127	73.32	$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	20530	121	11.15	$1,840.54*
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13667	195	113.97	$119.92
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20680	118	64.65	$319.90
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21029	111	40.44	$519.98
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21534	105	5.98	$3,603.92
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12399	218	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	13801	191	4.67	$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	149	5.79	$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	15036	180	172.83	$87.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18872	140	107.73	$175.18
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20294	123	82.82	$245.04
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20809	115	10.31	$2,018.00
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	13621	198	86.21	$158.00*
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14004	189	51.55	$271.68*
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	112	6.99	$2,992.00*

[Dual CPU] Intel Xeon E5-2652 v3 @ 2.30GHz	19588	130	8.36	$2,342.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13855	190	4.74	$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	141	52.29	$359.98*
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	133	NA	NA
[Dual CPU] Intel Xeon E5-2658A v3 @ 2.20GHz	17786	152	4.85	$3,664.00*
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16378	164	62.12	$263.64*
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17795	151	41.79	$425.78*
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22374	98	34.96	$639.90
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23086	88	7.70	$2,999.98*
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23137	87	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	17003	157	83.05	$204.74*
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	73	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16370	165	158.32	$103.40*
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22686	94	34.37	$660.00*
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22604	95	31.40	$719.98
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	22916	90	5.88	$3,898.06*
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18162	148	62.63	$290.00
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20642	120	49.38	$418.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22298	99	71.93	$309.98
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	84	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	21751	104	15.54	$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	26537	62	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19762	128	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	20856	114	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	40	5.54	$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18571	144	124.94	$148.64
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21461	106	61.32	$350.00
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24220	79	65.46	$369.98
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	22761	92	7.54	$3,018.00*

[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	158	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21194	110	20.78	$1,019.98*
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	71	5.66	$4,417.86*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	101	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26907	60	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	50	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20787	116	50.21	$414.00
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23351	85	34.85	$670.00
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24293	78	20.59	$1,179.98
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26649	61	6.13	$4,349.98*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19280	135	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25703	68	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19634	129	95.65	$205.26
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23579	81	43.25	$545.16
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25763	67	56.01	$460.00
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27411	57	6.32	$4,339.98*
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20717	117	40.00	$517.98
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24793	74	25.30	$979.98*
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	77	2.12	$11,616.00*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23501	83	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30313	39	6.07	$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31774	33	5.28	$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23297	86	37.70	$618.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27386	58	28.20	$971.20
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30440	38	4.98	$6,109.98*
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	29460	44	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	28325	53	19.16	$1,478.00

[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30833	37	4.78	$6,452.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	31	4.44	$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	80	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26341	64	10.89	$2,418.00
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	24	4.01	$8,478.00
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	119	NA	NA
[Dual CPU] Intel Xeon E5-4617 @ 2.90GHz	15383	174	85.56	$179.80*
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	132	19.15	$1,017.90*
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	169	2.91	$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	137	35.31	$544.08*
[Dual CPU] Intel Xeon E5-4640 v3 @ 1.90GHz	20468	122	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	131	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	18565	145	132.63	$139.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	181	1.94	$7,676.00*
[Dual CPU] Intel Xeon E5-4650 v4 @ 2.20GHz	21855	103	2.85	$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	13742	193	57.26	$239.98*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	96	2.34	$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	56	2.54	$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	224	44.98	$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	171	NA	NA
[Dual CPU] Intel Xeon E7-4830 @ 2.13GHz	9539	282	147.66	$64.60*
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	97	1.81	$12,400.00*
[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz	12016	228	1.42	$8,454.00*
[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	15263	177	40.38	$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10965	248	27.41	$399.98*
[Dual CPU] Intel Xeon E7- 8870 @ 2.40GHz	10207	266	1.02	$10,017.02*
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	465	120.97	$18.84*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	429	22.74	$177.56*
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3554	431	36.27	$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4166	423	53.75	$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	406	NA	NA

[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4559	414	128.28	$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5120	402	64.02	$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5134	401	64.26	$79.90*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6008	377	14.38	$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6348	366	50.42	$125.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6828	354	30.76	$221.98*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7119	345	35.95	$198.00*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7499	337	12.54	$597.88*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7083	347	129.73	$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7774	325	129.39	$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2492	458	13.12	$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2805	449	4.89	$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4878	410	34.87	$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4994	405	39.63	$126.02*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5408	393	5.92	$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7299	341	255.75	$28.54*
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7576	335	291.38	$26.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7753	327	65.70	$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	425	16.04	$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5505	391	16.48	$334.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5947	379	42.96	$138.42*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	7980	320	67.64	$117.98*
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8329	310	118.99	$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8666	301	154.81	$55.98*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10237	265	62.95	$162.62*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10259	262	49.29	$208.14*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	392	87.81	$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	395	29.87	$179.98*
[Dual CPU] Intel Xeon E7540 @ 2.00GHz	6738	358	210.96	$31.94*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	102	8.41	$2,618.10*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	21437	107	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	109	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22810	91	10.57	$2,157.82
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25109	70	8.04	$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17463	154	6.72	$2,599.90
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz	22282	100	7.32	$3,044.00*

[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	59	10.14	$2,698.00*
[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	22983	89	6.92	$3,319.90*
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	19113	139	7.19	$2,657.06
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	28610	51	7.57	$3,779.94*
[Dual CPU] Intel Xeon Gold 6126T @ 2.60GHz	19161	138	5.14	$3,730.00*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22725	93	6.46	$3,519.50*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	26366	63	7.39	$3,566.18
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	55	6.26	$4,399.80*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	24666	76	5.43	$4,539.90
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29725	42	5.69	$5,227.18*
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	54	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34125	23	6.32	$5,397.90*
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32589	30	6.68	$4,879.98*
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	48	4.72	$6,116.66*
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	29907	41	NA	NA
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28802	49	4.92	$5,850.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29655	43	3.22	$9,217.90*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36731	17	6.28	$5,850.00*
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	32941	29	5.01	$6,569.90*
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33142	27	4.03	$8,217.90
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	37168	15	4.75	$7,818.00*
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	24959	72	4.63	$5,393.48
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33019	28	6.19	$5,335.32
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	31379	35	4.82	$6,509.68*
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	33741	25	5.13	$6,572.00*
[Dual CPU] Intel Xeon Gold 6248 @ 2.50GHz	38755	10	5.87	$6,599.98*

[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz	37405	13	4.68	$7,999.98*
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	41159	6	5.55	$7,418.00
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	417	71.16	$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	421	30.62	$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	408	130.15	$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	388	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	374	30.58	$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6453	363	117.33	$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	376	19.22	$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	407	11.00	$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	352	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6961	351	271.49	$25.64*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7553	336	196.08	$38.52*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	6973	350	166.10	$41.98*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8693	299	62.18	$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9607	279	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9669	277	58.00	$166.72*
[Dual CPU] Intel Xeon MP 2.50GHz	550	492	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	538	495	5.98	$90.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	488	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	473	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36271	19	NA	NA
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	37838	12	2.46	$15,408.00*
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29251	45	2.96	$9,872.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39460	9	3.35	$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	36410	18	NA	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	20	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	37312	14	1.86	$20,030.00*
[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	38202	11	4.06	$9,404.00*
[Dual CPU] Intel Xeon Platinum 8268 @ 2.90GHz	41119	7	3.65	$11,260.00*
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15972	167	15.66	$1,019.90*
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	16817	160	22.34	$752.82
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**

[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13615	199	13.24	$1,027.98*
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19256	136	16.72	$1,151.78
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21435	108	11.85	$1,808.50
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz	20002	126	19.96	$1,002.00*
[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25402	69	20.15	$1,260.42
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10070	270	47.04	$214.06*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10249	263	2.04	$5,017.90*
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	261	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	412	44.05	$108.00*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	413	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	409	17.46	$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5729	382	9.24	$619.90
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6196	373	39.72	$155.98*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7436	338	62.01	$119.92*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7794	323	39.06	$199.56*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8136	316	21.52	$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7769	326	17.26	$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8170	314	40.85	$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8672	300	3.12	$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8748	297	14.35	$609.70*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	8998	290	132.36	$67.98*
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9277	284	19.33	$479.90*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9642	278	241.90	$39.86*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11231	240	80.88	$138.86*
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11632	234	92.04	$126.38*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10289	260	220.51	$46.66*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12082	225	177.68	$68.00
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10320	259	114.69	$89.98*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12452	214	117.49	$105.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11161	244	65.65	$170.00*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13428	203	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13339	204	100.66	$132.52
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11736	232	104.19	$112.64*
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13653	196	57.85	$236.00
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	306	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	359	91.61	$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	298	6.15	$1,417.90*
[Dual CPU] Intel Xeon X7542 @ 2.67GHz	8972	291	13.22	$678.48*

[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	272	18.07	$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11230	241	255.23	$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	422	46.34	$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	404	11.46	$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	420	9.75	$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	419	33.66	$130.00
[Dual CPU] Quad-Core AMD Opteron 8378	5382	394	30.51	$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	353	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	385	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	378	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	311	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Quad CPU] AMD Opteron 6136	9767	274	22.20	$440.00*
[Quad CPU] AMD Opteron 6174	8594	304	33.05	$260.00
[Quad CPU] AMD Opteron 6272	12292	220	43.91	$279.96
[Quad CPU] AMD Opteron 6274	10488	254	58.28	$179.96
[Quad CPU] AMD Opteron 6276	15342	175	22.70	$676.00
[Quad CPU] AMD Opteron 6278	12055	226	24.31	$495.80
[Quad CPU] AMD Opteron 6282 SE	11044	245	4.31	$2,560.00
[Quad CPU] AMD Opteron 6376	13257	206	50.99	$260.00
[Quad CPU] AMD Opteron 6378	20859	113	27.45	$760.00
[Quad CPU] AMD Opteron 6380	12442	215	52.72	$236.00
[Quad CPU] AMD Opteron 8360 SE	6490	362	77.26	$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	375	NA	NA
[Quad CPU] AMD Opteron 8382	8553	305	10.74	$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	339	NA	NA
[Quad CPU] AMD Opteron 8431	8252	313	147.46	$55.96*
[Quad CPU] AMD Opteron 8435	7099	346	24.65	$288.00*
[Quad CPU] AMD Opteron 8439 SE	8943	293	37.26	$240.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	474	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	435	NA	NA
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	159	46.92	$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	14669	182	27.32	$536.84*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	197	42.59	$319.96*
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	75	12.12	$2,035.80*

[Quad CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	20036	125	18.41	$1,088.16*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	17127	156	61.18	$279.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	65	12.87	$2,035.80*
[Quad CPU] Intel Xeon E5-4650L @ 2.60GHz	18557	146	38.66	$479.96*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	36	2.14	$14,436.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	124	3.36	$6,008.00*
[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	13606	200	105.31	$129.20*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	166	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	22	1.39	$24,800.00*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28569	52	1.25	$22,916.00*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	32	NA	NA
[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz	36830	16	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	15433	172	96.48	$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17398	155	131.84	$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	15429	173	20.41	$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	212	15.87	$799.96*
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	17965	150	0.90	$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	7021	349	20.65	$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	328	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	267	28.32	$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	280	40.56	$236.00*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	287	14.31	$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	66	5.03	$5,199.80
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	21	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	8	2.48	$16,435.80
[Quad CPU] Intel Xeon Gold 6248 @ 2.50GHz	41863	5	3.17	$13,199.96*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	275	NA	NA
[Quad CPU] Intel Xeon L7555 @ 1.87GHz	10406	257	NA	NA
[Quad CPU] Intel Xeon Platinum 8180 @	44139	4	1.10	$40,060.00*

2.50GHz				
[Quad CPU] Intel Xeon Platinum 8180M @ 2.50GHz	48904	2	NA	NA
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9542	281	66.28	$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12029	227	4.24	$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	303	6.36	$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	235	10.45	$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	12824	211	145.73	$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	343	27.58	$260.00

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