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# CPU Benchmarks

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## CPU List

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

How does your CPU compare?  
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with PerformanceTest V9!

## Single CPU Systems

Find CPU

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2643	NA	NA
AMD A4 Micro-6400T APU	1544	1838	NA	NA
AMD A4 PRO-3340B	2402	1448	NA	NA
AMD A4 PRO-7300B APU	2369	1462	NA	NA
AMD A4 PRO-7350B	2794	1311	NA	NA
AMD A4-1200 APU	635	2324	NA	NA
AMD A4-1250 APU	618	2331	NA	NA
AMD A4-3300 APU	1504	1859	115.83	\$12.99
AMD A4-3300M APU	1185	2023	39.52	\$29.99*
AMD A4-3305M APU	1221	2005	39.64	\$30.81
AMD A4-3310MX APU	1281	1970	NA	NA
AMD A4-3320M APU	1253	1987	36.88	\$34.00
AMD A4-3330MX APU	1213	2008	NA	NA
AMD A4-3400 APU	1595	1821	155.09	\$10.29
AMD A4-3420 APU	1672	1773	NA	NA
AMD A4-4000 APU	1826	1698	60.90	\$29.99
AMD A4-4020 APU	1924	1643	23.30	\$82.61
AMD A4-4300M APU	1606	1810	40.31	\$39.86
AMD A4-4355M APU	1175	2027	NA	NA
AMD A4-5000 APU	1909	1651	NA	NA
AMD A4-5050 APU	2113	1564	NA	NA
AMD A4-5100 APU	2037	1593	NA	NA
AMD A4-5150M APU	1844	1686	NA	NA
AMD A4-5300 APU	2008	1607	34.45	\$58.32*
AMD A4-5300B APU	2130	1554	56.06	\$38.00*
AMD A4-6210 APU	2158	1543	NA	NA
AMD A4-6250J APU	2556	1391	NA	NA
AMD A4-6300 APU	2225	1520	65.48	\$33.99
AMD A4-6300B APU	2129	1555	21.30	\$100.00*
AMD A4-6320 APU	2329	1469	33.29	\$69.99
AMD A4-7210 APU	2512	1410	NA	NA
AMD A4-7300 APU	2293	1487	27.71	\$82.78
AMD A4-9120	1932	1640	NA	NA
AMD A4-9125	2119	1561	NA	NA
AMD A6 Micro-6500T APU	1834	1693	NA	NA
AMD A6 PRO-7050B APU	1616	1807	NA	NA
AMD A6 PRO-7400B	2690	1347	NA	NA
AMD A6-1450 APU	1527	1844	NA	NA
AMD A6-3400M APU	1884	1670	62.86	\$29.97*
AMD A6-3410MX APU	2054	1588	514.93	\$3.99
AMD A6-3420M APU	2002	1608	NA	NA
AMD A6-3430MX APU	2204	1528	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6-3500 APU	2011	1605	50.30	\$39.99
AMD A6-3600 APU	2703	1342	117.61	\$22.99*
AMD A6-3620 APU	2799	1310	46.66	\$59.99*
AMD A6-3650 APU	3153	1195	98.59	\$31.99
AMD A6-3670 APU	3171	1182	63.44	\$49.99
AMD A6-4400M APU	1635	1796	41.03	\$39.86*
AMD A6-4455M APU	1283	1968	NA	NA
AMD A6-5200 APU	2424	1438	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6-5345M APU	1476	1870	NA	NA
AMD A6-5350M APU	1916	1648	31.96	\$59.95
AMD A6-5357M APU	1938	1636	NA	NA
AMD A6-5400B APU	2212	1523	21.06	\$105.04*
AMD A6-5400K APU	2151	1545	16.55	\$129.95*
AMD A6-6310 APU	2448	1430	NA	NA
AMD A6-6400B APU	2281	1496	NA	NA
AMD A6-6400K APU	2303	1483	32.91	\$69.99
AMD A6-6420B APU	2612	1369	NA	NA
AMD A6-6420K APU	2361	1466	15.75	\$149.99*
AMD A6-7000	1671	1776	NA	NA
AMD A6-7310 APU	2661	1356	NA	NA
AMD A6-7400K APU	2778	1317	56.73	\$48.99
AMD A6-7470K	2727	1337	11.22	\$243.00
AMD A6-8500P	2202	1531	NA	NA
AMD A6-8550	3104	1206	NA	NA
AMD A6-9200	1718	1742	NA	NA
AMD A6-9210	1791	1709	NA	NA
AMD A6-9220	2183	1535	NA	NA
AMD A6-9220e	1600	1817	NA	NA
AMD A6-9225	1976	1619	NA	NA
AMD A6-9230	2102	1569	NA	NA
AMD A6-9500	3003	1239	53.90	\$55.73
AMD A6-9500E	2889	1285	48.16	\$59.99
AMD A8 PRO-7150B APU	2665	1354	NA	NA
AMD A8 PRO-7600B APU	4801	820	NA	NA
AMD A8-3500M APU	1972	1620	28.20	\$69.95*
AMD A8-3510MX APU	2370	1460	NA	NA
AMD A8-3520M APU	2178	1537	NA	NA
AMD A8-3530MX APU	2378	1456	NA	NA
AMD A8-3550MX APU	2610	1370	NA	NA
AMD A8-3800 APU	3023	1231	53.06	\$56.99
AMD A8-3820 APU	3112	1204	24.90	\$124.99*
AMD A8-3850 APU	3466	1102	32.80	\$105.68*
AMD A8-3870K APU	3543	1083	70.89	\$49.99
AMD A8-4500M APU	2666	1353	NA	NA
AMD A8-4555M APU	2122	1559	NA	NA
AMD A8-5500 APU	3993	973	70.68	\$56.50
AMD A8-5500B APU	3967	981	NA	NA
AMD A8-5545M APU	2587	1380	NA	NA
AMD A8-5550M APU	3003	1240	NA	NA
AMD A8-5557M APU	2963	1253	NA	NA
AMD A8-5600K APU	4343	907	18.94	\$229.30
AMD A8-6410 APU	2570	1386	NA	NA
AMD A8-6500 APU	4388	898	46.20	\$94.99
AMD A8-6500B APU	4609	855	NA	NA
AMD A8-6500T APU	3221	1167	NA	NA
AMD A8-6600K APU	4584	861	47.27	\$96.99
AMD A8-7050	1986	1615	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-7100 APU	2805	1308	NA	NA
AMD A8-7200P	3319	1139	NA	NA
AMD A8-7410 APU	2735	1336	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-7600 APU	5073	763	63.43	\$79.99
AMD A8-7650K	4929	799	66.62	\$73.99
AMD A8-7670K	5083	761	31.55	\$161.10*
AMD A8-7680	5314	732	95.10	\$55.88
AMD A8-8600P	3248	1160	NA	NA
AMD A8-8650	5470	702	NA	NA
AMD A8-9600	4998	785	74.95	\$66.69
AMD A9-9400	2309	1478	NA	NA
AMD A9-9410	2555	1392	NA	NA
AMD A9-9420	2313	1476	NA	NA
AMD A9-9420e	1908	1652	NA	NA
AMD A9-9425	2642	1360	NA	NA
AMD A9-9430	2543	1396	NA	NA
AMD A10 Micro-6700T APU	1970	1622	NA	NA
AMD A10 PRO-7350B APU	3194	1177	NA	NA
AMD A10 PRO-7800B APU	5108	754	NA	NA
AMD A10 PRO-7850B APU	5382	718	NA	NA
AMD A10-4600M APU	3111	1205	NA	NA
AMD A10-4655M APU	2597	1374	NA	NA
AMD A10-4657M APU	2906	1272	NA	NA
AMD A10-5700 APU	4209	934	64.77	\$64.99
AMD A10-5745M APU	2762	1324	NA	NA
AMD A10-5750M APU	3345	1134	NA	NA
AMD A10-5757M APU	3084	1213	NA	NA
AMD A10-5800B APU	4669	839	NA	NA
AMD A10-5800K APU	4638	844	15.40	\$301.11*
AMD A10-6700 APU	4600	858	39.33	\$116.99
AMD A10-6700T APU	3693	1046	25.02	\$147.61*
AMD A10-6790K APU	4716	831	49.66	\$94.99
AMD A10-6800B APU	4991	786	NA	NA
AMD A10-6800K APU	4864	809	16.96	\$286.85*
AMD A10-7300 APU	2908	1271	NA	NA
AMD A10-7400P	3607	1063	NA	NA
AMD A10-7700K APU	5128	751	49.60	\$103.39
AMD A10-7800 APU	4984	787	48.21	\$103.39
AMD A10-7850K APU	5476	699	42.13	\$129.99
AMD A10-7860K	5069	766	28.97	\$175.00*
AMD A10-7870K	5471	701	21.89	\$249.99
AMD A10-7890K	5726	670	28.63	\$199.99
AMD A10-8700P	3443	1106	NA	NA
AMD A10-8750	5072	764	NA	NA
AMD A10-8850	5598	687	NA	NA
AMD A10-9600P	3795	1018	NA	NA
AMD A10-9620P	3693	1047	NA	NA
AMD A10-9630P	4497	877	NA	NA
AMD A10-9700	5448	707	68.12	\$79.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-9700E	4728	830	67.56	\$69.99
AMD A12-9700P	3726	1037	NA	NA
AMD A12-9720P	3980	976	NA	NA
AMD A12-9730P	4420	891	NA	NA
AMD A12-9800	5517	697	42.44	\$129.99
AMD A12-9800E	5104	756	44.59	\$114.49
AMD Athlon64 X2 Dual Core 4600+	1108	2065	NA	NA
AMD Athlon 4	279	2663	7.00	\$39.99
AMD Athlon 64 2000+	116	2797	NA	NA
AMD Athlon 64 2200+	575	2355	NA	NA
AMD Athlon 64 2600+	374	2538	NA	NA
AMD Athlon 64 2800+	438	2467	4.38	\$99.99*
AMD Athlon 64 3000+	463	2436	4.25	\$108.95
AMD Athlon 64 3200+	492	2404	3.28	\$149.95*
AMD Athlon 64 3300+	576	2354	NA	NA
AMD Athlon 64 3400+	545	2367	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 64 3500+	539	2373	4.96	\$108.95
AMD Athlon 64 3600+	601	2341	NA	NA
AMD Athlon 64 3700+	599	2342	8.69	\$69.00*
AMD Athlon 64 3800+	589	2345	3.27	\$179.95*
AMD Athlon 64 4000+	608	2335	50.76	\$11.99
AMD Athlon 64 FX-25	794	2249	NA	NA
AMD Athlon 64 FX-34	380	2529	NA	NA
AMD Athlon 64 FX-51	437	2468	NA	NA
AMD Athlon 64 FX-53	646	2316	21.57	\$29.99*
AMD Athlon 64 FX-55	721	2281	4.01	\$179.95*
AMD Athlon 64 FX-57	730	2275	NA	NA
AMD Athlon 64 FX-59	715	2284	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	1969	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	1829	NA	NA
AMD Athlon 64 FX-72	1794	1708	NA	NA
AMD Athlon 64 FX-74	1495	1865	2.99	\$499.50*
AMD Athlon 64 X2 3800+	958	2163	NA	NA
AMD Athlon 64 X2 4200+	1285	1965	4.16	\$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2135	NA	NA
AMD Athlon 64 X2 Dual Core 3600+	969	2152	16.16	\$60.00
AMD Athlon 64 X2 Dual Core 3800+	1001	2128	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1040	2105	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1097	2072	8.44	\$129.95
AMD Athlon 64 X2 Dual Core 4400+	1146	2048	95.66	\$11.99
AMD Athlon 64 X2 Dual Core 4600+	1222	2004	3.40	\$359.95*
AMD Athlon 64 X2 Dual Core 4800+	1253	1988	80.92	\$15.49
AMD Athlon 64 X2 Dual Core 5000+	1313	1946	3.96	\$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1382	1910	26.04	\$53.09*
AMD Athlon 64 X2 Dual Core 5400+	1446	1882	27.29	\$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1484	1868	9.90	\$149.95
AMD Athlon 64 X2 Dual Core 5800+	1528	1843	61.17	\$24.99
AMD Athlon 64 X2 Dual Core 6000+	1604	1815	49.37	\$32.50
AMD Athlon 64 X2 Dual Core 6400+	1789	1712	6.89	\$259.95*
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 BE-230	1095	2074	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2085	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2103	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2228	28.02	\$29.97
AMD Athlon 64 X2 Dual Core TK-55	839	2229	14.53	\$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2151	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2208	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	815	2240	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	874	2209	12.02	\$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	928	2183	NA	NA
AMD Athlon 64 X2 QL-60	918	2192	NA	NA
AMD Athlon 64 X2 QL-62	1011	2122	NA	NA
AMD Athlon 64 X2 QL-64	989	2140	NA	NA
AMD Athlon 64 X2 QL-65	1051	2100	NA	NA
AMD Athlon 64 X2 QL-66	947	2169	NA	NA
AMD Athlon 64 X2 QL-67	1006	2125	NA	NA
AMD Athlon 64 X2 TK-55	955	2164	NA	NA
AMD Athlon 64 X2 TK-57	988	2142	NA	NA
AMD Athlon 200GE	4966	789	82.79	\$59.99
AMD Athlon 1500+	294	2636	NA	NA
AMD Athlon 1640B	667	2307	13.34	\$50.00*
AMD Athlon 2000+	390	2525	NA	NA
AMD Athlon 2100+	412	2488	NA	NA
AMD Athlon 2200+	363	2555	4.55	\$79.99*
AMD Athlon 2400+	462	2438	NA	NA
AMD Athlon 2500+	374	2536	2.04	\$183.99*
AMD Athlon 2600+	444	2457	4.23	\$104.95*
AMD Athlon 2650e	409	2492	21.56	\$19.00*
AMD Athlon 2800+	447	2454	3.20	\$139.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 2850e	504	2399	NA	NA
AMD Athlon 3100+	485	2417	NA	NA
AMD Athlon 3200+	458	2442	7.63	\$60.00*
AMD Athlon 5000 Dual-Core	1292	1959	76.13	\$16.98
AMD Athlon 5150 APU	2103	1568	13.15	\$159.95*
AMD Athlon 5200 Dual-Core	1248	1991	41.64	\$29.99
AMD Athlon 5350 APU	2604	1373	7.69	\$338.46*
AMD Athlon 5370 APU	2900	1280	45.53	\$63.70*
AMD Athlon 7450 Dual-Core	1448	1881	NA	NA
AMD Athlon 7550 Dual-Core	1458	1877	24.30	\$60.00*
AMD Athlon 7750 Dual-Core	1572	1830	16.55	\$95.00
AMD Athlon 7850 Dual-Core	1711	1748	8.17	\$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2646	NA	NA
AMD Athlon Dual Core 4050e	1086	2080	NA	NA
AMD Athlon Dual Core 4450B	1162	2039	37.49	\$31.00*
AMD Athlon Dual Core 4450e	1102	2070	NA	NA
AMD Athlon Dual Core 4850B	1391	1907	NA	NA
AMD Athlon Dual Core 4850e	1310	1948	33.61	\$39.00*
AMD Athlon Dual Core 5000B	1300	1952	13.69	\$95.00*
AMD Athlon Dual Core 5050e	1347	1931	22.45	\$60.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon Dual Core 5200B	1319	1942	NA	NA
AMD Athlon Dual Core 5400B	1411	1898	NA	NA
AMD Athlon Dual Core 5600B	1304	1951	NA	NA
AMD Athlon II 160u	560	2362	18.68	\$29.99*
AMD Athlon II 170u	624	2329	20.84	\$29.95*
AMD Athlon II Dual-Core M300	1114	2058	NA	NA
AMD Athlon II Dual-Core M320	1140	2052	38.00	\$30.00*
AMD Athlon II Dual-Core M340	1056	2098	NA	NA
AMD Athlon II N330 Dual-Core	1154	2043	NA	NA
AMD Athlon II N350 Dual-Core	1247	1993	NA	NA
AMD Athlon II N370 Dual-Core	1559	1834	NA	NA
AMD Athlon II Neo K125	472	2428	NA	NA
AMD Athlon II Neo K145	525	2381	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2256	29.83	\$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2220	NA	NA
AMD Athlon II Neo N36L Dual-Core	793	2251	NA	NA
AMD Athlon II P320 Dual-Core	1216	2006	40.62	\$29.95*
AMD Athlon II P340 Dual-Core	1250	1990	27.81	\$44.95*
AMD Athlon II P360 Dual-Core	1319	1943	54.96	\$24.00*
AMD Athlon II X2 210e	1486	1867	NA	NA
AMD Athlon II X2 215	1575	1828	131.37	\$11.99*
AMD Athlon II X2 220	1632	1797	81.65	\$19.99
AMD Athlon II X2 225	1526	1845	NA	NA
AMD Athlon II X2 235e	1657	1787	9.11	\$181.88*
AMD Athlon II X2 240	1643	1792	102.79	\$15.99
AMD Athlon II X2 240e	1698	1760	48.60	\$34.95*
AMD Athlon II X2 245	1657	1786	47.42	\$34.95*
AMD Athlon II X2 245e	1710	1750	21.38	\$80.00*
AMD Athlon II X2 250	1742	1730	9.17	\$189.95*
AMD Athlon II X2 250e	1949	1632	25.41	\$76.73*
AMD Athlon II X2 250u	1000	2129	28.64	\$34.95*
AMD Athlon II X2 255	1843	1688	28.26	\$65.22*
AMD Athlon II X2 260	1873	1672	93.70	\$19.99
AMD Athlon II X2 260u	1107	2067	13.28	\$83.44*
AMD Athlon II X2 265	1890	1665	22.81	\$82.88*
AMD Athlon II X2 270	1980	1617	82.57	\$23.99
AMD Athlon II X2 270u	1350	1929	19.96	\$67.67*
AMD Athlon II X2 280	2128	1556	21.28	\$99.99*
AMD Athlon II X2 4300e	1350	1928	NA	NA
AMD Athlon II X2 4400e	1616	1806	NA	NA
AMD Athlon II X2 4450e	1504	1860	NA	NA
AMD Athlon II X2 B22	1709	1754	37.17	\$45.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X2 B24	1771	1717	44.34	\$39.95*
AMD Athlon II X2 B26	1897	1661	54.28	\$34.95*
AMD Athlon II X2 B28	2085	1576	42.52	\$49.05*
AMD Athlon II X3 400e	2009	1606	18.70	\$107.43*
AMD Athlon II X3 405e	2025	1598	25.32	\$79.99*
AMD Athlon II X3 415e	2247	1511	29.97	\$75.00*
AMD Athlon II X3 420e	2285	1492	19.68	\$116.15*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X3 425	2316	1474	85.81	\$26.99
AMD Athlon II X3 425e	2239	1516	NA	NA
AMD Athlon II X3 435	2474	1423	82.50	\$29.99
AMD Athlon II X3 440	2569	1387	95.19	\$26.99
AMD Athlon II X3 445	2572	1385	28.27	\$91.00*
AMD Athlon II X3 450	2622	1365	65.58	\$39.99
AMD Athlon II X3 455	2769	1320	71.02	\$38.99
AMD Athlon II X3 460	2863	1290	73.44	\$38.99
AMD Athlon II X4 553	3814	1012	NA	NA
AMD Athlon II X4 555	3830	1009	NA	NA
AMD Athlon II X4 559	4142	946	NA	NA
AMD Athlon II X4 600e	2453	1428	18.84	\$130.23*
AMD Athlon II X4 605e	2750	1330	27.01	\$101.80*
AMD Athlon II X4 610e	2788	1314	39.85	\$69.99*
AMD Athlon II X4 615e	2901	1279	49.17	\$59.00*
AMD Athlon II X4 620	2936	1262	41.96	\$69.99
AMD Athlon II X4 620e	2906	1273	NA	NA
AMD Athlon II X4 630	3134	1198	72.90	\$42.99
AMD Athlon II X4 631 Quad-Core	3153	1196	39.42	\$80.00*
AMD Athlon II X4 635	3242	1162	46.36	\$69.95*
AMD Athlon II X4 638 Quad-Core	3198	1175	120.73	\$26.49
AMD Athlon II X4 640	3313	1141	13.81	\$239.95*
AMD Athlon II X4 641 Quad-Core	3346	1133	36.57	\$91.50*
AMD Athlon II X4 645	3474	1098	69.50	\$49.99
AMD Athlon II X4 650	3485	1096	20.92	\$166.60*
AMD Athlon II X4 651 Quad-Core	3575	1074	20.08	\$178.04*
AMD Athlon II X4 655	2998	1242	NA	NA
AMD Athlon II X4 6400e	2594	1375	NA	NA
AMD Athlon L110	306	2612	NA	NA
AMD Athlon LE-1600	567	2360	27.04	\$21.00*
AMD Athlon LE-1620	572	2357	31.80	\$18.00*
AMD Athlon LE-1640	627	2327	NA	NA
AMD Athlon LE-1660	688	2300	NA	NA
AMD Athlon MP	230	2717	4.20	\$54.95*
AMD Athlon MP 1700+	339	2578	NA	NA
AMD Athlon MP 2400+	436	2469	NA	NA
AMD Athlon MP 2800+	497	2402	NA	NA
AMD Athlon Neo MV-40	409	2493	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2127	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2255	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2233	NA	NA
AMD Athlon PRO 200GE	5204	741	NA	NA
AMD Athlon QI-46	473	2427	NA	NA
AMD Athlon TF-20	413	2486	NA	NA
AMD Athlon TF-36	395	2515	NA	NA
AMD Athlon X2 215	1543	1839	NA	NA
AMD Athlon X2 235e	1806	1704	NA	NA
AMD Athlon X2 240	1602	1816	NA	NA
AMD Athlon X2 240e	1670	1777	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon X2 250	1696	1762	NA	NA
AMD Athlon X2 255	1627	1801	NA	NA
AMD Athlon X2 280	2303	1484	68.77	\$33.49
AMD Athlon X2 340 Dual Core	1901	1657	38.03	\$49.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon X2 370K Dual Core	2251	1510	NA	NA
AMD Athlon X2 440	1424	1891	NA	NA
AMD Athlon X2 Dual Core 3250e	779	2254	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2131	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2190	NA	NA
AMD Athlon X2 Dual Core BE-2350	1104	2068	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2007	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	1989	NA	NA
AMD Athlon X2 Dual Core L310	644	2318	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2123	NA	NA
AMD Athlon X3 425	2191	1533	NA	NA
AMD Athlon X3 435	2574	1383	26.96	\$95.49*
AMD Athlon X3 440	2078	1580	23.62	\$87.99*
AMD Athlon X3 445	2314	1475	NA	NA
AMD Athlon X3 450	3064	1220	38.80	\$78.99*
AMD Athlon X3 455	2401	1449	NA	NA
AMD Athlon X4 605e	2505	1413	NA	NA
AMD Athlon X4 620	2861	1292	47.74	\$59.95*
AMD Athlon X4 635	2891	1284	23.71	\$121.99*
AMD Athlon X4 640	3172	1181	NA	NA
AMD Athlon X4 740 Quad Core	4010	968	14.48	\$277.00*
AMD Athlon X4 750 Quad Core	4551	863	NA	NA
AMD Athlon X4 750K Quad Core	4251	926	55.22	\$76.99*
AMD Athlon X4 760K Quad Core	4593	860	109.43	\$41.98
AMD Athlon X4 830	4701	835	NA	NA
AMD Athlon X4 840	5043	777	64.06	\$78.74*
AMD Athlon X4 845	5424	712	101.60	\$53.39
AMD Athlon X4 860K	5429	710	99.62	\$54.50
AMD Athlon X4 870K	5319	731	66.50	\$79.99
AMD Athlon X4 880K	5544	692	55.45	\$99.99
AMD Athlon X4 950	5278	734	84.75	\$62.29
AMD Athlon XP1600+	281	2658	NA	NA
AMD Athlon XP1900+	353	2563	NA	NA
AMD Athlon XP2100+	287	2648	NA	NA
AMD Athlon XP2200+	401	2506	NA	NA
AMD Athlon XP2400+	374	2537	NA	NA
AMD Athlon XP 1500	282	2657	NA	NA
AMD Athlon XP 1500+	257	2688	NA	NA
AMD Athlon XP 1600+	267	2678	NA	NA
AMD Athlon XP 1700	344	2574	NA	NA
AMD Athlon XP 1700+	271	2674	NA	NA
AMD Athlon XP 1800+	300	2623	5.10	\$58.95*
AMD Athlon XP 1900+	312	2606	NA	NA
AMD Athlon XP 2000+	299	2624	12.00	\$24.99*
AMD Athlon XP 2100+	323	2590	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP 2200+	328	2588	3.87	\$84.95*
AMD Athlon XP 2300+	464	2435	NA	NA
AMD Athlon XP 2400+	360	2557	4.01	\$89.99*
AMD Athlon XP 2500+	355	2560	NA	NA
AMD Athlon XP 2600+	372	2541	16.18	\$23.03*
AMD Athlon XP 2700+	393	2518	4.64	\$84.79*
AMD Athlon XP 2800+	400	2508	NA	NA
AMD Athlon XP 2900+	440	2462	NA	NA
AMD Athlon XP 3000+	402	2505	5.05	\$79.70*
AMD Athlon XP 3100+	433	2474	NA	NA
AMD Athlon XP 3200+	434	2473	NA	NA
AMD Athlon XP 3400+	570	2359	NA	NA
AMD Athlon XP Pro3+	367	2547	NA	NA
AMD Athlon XP-M	541	2372	15.48	\$34.95*
AMD C-30	310	2608	NA	NA
AMD C-50	461	2439	NA	NA
AMD C-60	466	2432	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD C-60 APU	544	2368	NA	NA
AMD C-70 APU	559	2363	NA	NA
AMD E1 Micro-6200T APU	960	2161	NA	NA
AMD E1-1200 APU	657	2312	NA	NA
AMD E1-1500 APU	688	2299	NA	NA
AMD E1-2100 APU	638	2322	NA	NA
AMD E1-2200 APU	767	2258	NA	NA
AMD E1-2500 APU	889	2205	NA	NA
AMD E1-6010 APU	858	2215	NA	NA
AMD E1-6015 APU	897	2204	NA	NA
AMD E1-7010 APU	998	2130	NA	NA
AMD E2-1800 APU	817	2238	NA	NA
AMD E2-2000 APU	828	2234	NA	NA
AMD E2-3000 APU	1088	2077	NA	NA
AMD E2-3000M APU	1092	2075	54.65	\$20.00*
AMD E2-3200 APU	1402	1900	175.52	\$7.99*
AMD E2-3800 APU	1642	1793	NA	NA
AMD E2-6110 APU	1905	1653	NA	NA
AMD E2-7110 APU	2278	1497	NA	NA
AMD E2-9000	1665	1780	NA	NA
AMD E2-9000e	1351	1927	NA	NA
AMD E2-9010	1745	1728	NA	NA
AMD E-240	314	2603	NA	NA
AMD E-300 APU	611	2334	NA	NA
AMD E-350	748	2269	NA	NA
AMD E-350 APU	761	2262	NA	NA
AMD E-350D APU	726	2278	NA	NA
AMD E-450 APU	766	2259	NA	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1750	1726	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1574	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2514	1407	NA	NA
AMD Embedded R-Series RX-216GD	2409	1445	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Embedded R-Series RX-418GD Radeon R6	5068	767	NA	NA
AMD Embedded R-Series RX-421BD	4635	846	NA	NA
AMD EPYC 7251 8-Core	11344	216	22.41	\$506.24
AMD EPYC 7351P	15820	111	18.86	\$838.80
AMD EPYC 7401P	18546	63	14.40	\$1,287.51
AMD EPYC 7501	18942	60	4.30	\$4,406.23
AMD EPYC 7551	18483	66	5.00	\$3,695.19
AMD EPYC 7551P	18359	67	8.35	\$2,199.81
AMD FirePro A320 APU	4540	868	NA	NA
AMD FX-670K Quad-Core	4550	864	NA	NA
AMD FX-770K Quad-Core	4797	821	NA	NA
AMD FX-870K Quad Core	5105	755	NA	NA
AMD FX-4100 Quad-Core	4069	957	31.30	\$129.99*
AMD FX-4130 Quad-Core	4162	942	54.78	\$75.99*
AMD FX-4150 Quad-Core	4594	859	NA	NA
AMD FX-4170 Quad-Core	4863	810	48.64	\$99.99*
AMD FX-4200 Quad-Core	4235	930	18.56	\$228.21*
AMD FX-4300 Quad-Core	4687	838	101.90	\$46.00
AMD FX-4320	5009	783	NA	NA
AMD FX-4330	5321	730	NA	NA
AMD FX-4350 Quad-Core	5338	726	23.21	\$229.99
AMD FX-6100 Six-Core	5383	717	21.28	\$253.00
AMD FX-6120 Six-Core	5731	669	NA	NA
AMD FX-6130 Six-Core	6215	616	NA	NA
AMD FX-6200 Six-Core	6124	629	18.02	\$339.95
AMD FX-6300 Six-Core	6385	605	93.92	\$67.99



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-6330 Six-Core	6916	552	NA	NA
AMD FX-6350 Six-Core	7001	544	49.79	\$140.61
AMD FX-7500 APU	3209	1172	NA	NA
AMD FX-7600P	4051	959	NA	NA
AMD FX-7600P APU	4627	848	NA	NA
AMD FX-8100 Eight-Core	5982	640	42.13	\$142.00*
AMD FX-8120 Eight-Core	6599	584	66.00	\$99.99
AMD FX-8140 Eight-Core	6133	626	NA	NA
AMD FX-8150 Eight-Core	7630	487	19.90	\$383.50*
AMD FX-8300 Eight-Core	7727	476	85.05	\$90.86
AMD FX-8310 Eight-Core	7758	471	NA	NA
AMD FX-8320 Eight-Core	8019	448	88.71	\$90.40
AMD FX-8320E Eight-Core	7547	491	79.30	\$95.18
AMD FX-8350 Eight-Core	8947	376	119.32	\$74.99
AMD FX-8370 Eight-Core	9029	367	65.91	\$136.99
AMD FX-8370E Eight-Core	7804	466	29.45	\$265.00
AMD FX-8800P	4138	948	NA	NA
AMD FX-9370 Eight-Core	9452	330	52.84	\$178.89
AMD FX-9590 Eight-Core	10195	262	97.15	\$104.95
AMD FX-9800P	3998	971	NA	NA
AMD FX-9830P	4705	834	NA	NA
AMD FX-B4150 Quad-Core	4611	854	NA	NA
AMD G-T40E	467	2431	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD G-T40N	516	2388	NA	NA
AMD G-T40R	203	2744	NA	NA
AMD G-T44R	227	2719	NA	NA
AMD G-T48E	724	2279	NA	NA
AMD G-T52R	303	2616	NA	NA
AMD G-T56E	751	2267	NA	NA
AMD G-T56N	788	2252	NA	NA
AMD Geode NX	264	2681	NA	NA
AMD Geode NX 1750	291	2637	NA	NA
AMD GX-210JA SOC	401	2507	NA	NA
AMD GX-212JC SOC	744	2272	NA	NA
AMD GX-217GA SOC	1103	2069	NA	NA
AMD GX-218GL SOC	1115	2057	NA	NA
AMD GX-222GC SOC	1255	1986	NA	NA
AMD GX-412HC	1497	1864	NA	NA
AMD GX-415GA SOC	1946	1634	NA	NA
AMD GX-420CA SOC	2412	1442	NA	NA
AMD GX-424CC SOC	2491	1417	NA	NA
AMD K7	403	2502	NA	NA
AMD Opteron 140	396	2513	0.56	\$710.00*
AMD Opteron 142	428	2479	NA	NA
AMD Opteron 144	486	2414	7.48	\$65.00*
AMD Opteron 146	532	2378	8.87	\$59.99*
AMD Opteron 148	603	2340	NA	NA
AMD Opteron 150	604	2338	NA	NA
AMD Opteron 152	658	2310	NA	NA
AMD Opteron 154	703	2293	NA	NA
AMD Opteron 165	899	2202	1.47	\$610.00*
AMD Opteron 170	1097	2071	NA	NA
AMD Opteron 175	1167	2035	NA	NA
AMD Opteron 180	1234	1998	9.50	\$129.95*
AMD Opteron 185	1360	1923	NA	NA
AMD Opteron 246	632	2325	31.62	\$19.99
AMD Opteron 248	476	2425	4.34	\$109.95
AMD Opteron 250	649	2315	59.01	\$11.00*
AMD Opteron 252	760	2264	12.00	\$63.36*
AMD Opteron 254	693	2295	NA	NA
AMD Opteron 256	963	2158	50.72	\$19.00*
AMD Opteron 265	963	2159	6.02	\$159.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 270	1083	2084	1.78	\$607.47*
AMD Opteron 275	1291	1961	19.87	\$64.99
AMD Opteron 280	1272	1976	1.60	\$796.67*
AMD Opteron 285	1470	1872	NA	NA
AMD Opteron 290	1464	1874	10.85	\$135.00*
AMD Opteron 1210	923	2187	NA	NA
AMD Opteron 1210 HE	971	2150	NA	NA
AMD Opteron 1212	1009	2124	3.48	\$290.00*
AMD Opteron 1212 HE	1308	1949	NA	NA
AMD Opteron 1214	1191	2020	4.11	\$290.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 1214 HE	1299	1953	NA	NA
AMD Opteron 1216	1311	1947	23.91	\$54.85*
AMD Opteron 1216 HE	1172	2032	NA	NA
AMD Opteron 1218	1468	1873	NA	NA
AMD Opteron 1218 HE	1444	1883	NA	NA
AMD Opteron 1220	1653	1789	NA	NA
AMD Opteron 1222	1757	1721	NA	NA
AMD Opteron 1352	2316	1473	17.04	\$135.99*
AMD Opteron 1354	2630	1364	8.49	\$309.97*
AMD Opteron 1356	2765	1323	30.73	\$89.99*
AMD Opteron 1381	3065	1219	NA	NA
AMD Opteron 2212	1270	1978	105.89	\$12.00*
AMD Opteron 2214	1358	1924	46.85	\$29.00
AMD Opteron 2214 HE	1415	1895	NA	NA
AMD Opteron 2216	1518	1854	66.00	\$23.00
AMD Opteron 2218	1594	1822	49.18	\$32.42*
AMD Opteron 2220	1701	1759	1.15	\$1,475.16*
AMD Opteron 2220 SE	1398	1902	55.92	\$25.00*
AMD Opteron 2222	1843	1687	1.11	\$1,664.98*
AMD Opteron 2224 SE	1919	1646	NA	NA
AMD Opteron 2350	2820	1300	10.45	\$269.99*
AMD Opteron 2356	2814	1304	188.25	\$14.95
AMD Opteron 2373 EE	2789	1313	NA	NA
AMD Opteron 2374 HE	2951	1256	15.53	\$189.99*
AMD Opteron 2376	2283	1494	13.69	\$166.81*
AMD Opteron 2378	3179	1180	17.76	\$179.00*
AMD Opteron 2380	2640	1361	105.64	\$25.00*
AMD Opteron 2384	3538	1085	4.21	\$840.00*
AMD Opteron 2386 SE	3538	1086	NA	NA
AMD Opteron 2393 SE	2246	1512	NA	NA
AMD Opteron 2427	3069	1217	31.00	\$99.00
AMD Opteron 2431	4516	873	112.91	\$40.00
AMD Opteron 2435	4708	833	24.91	\$189.00
AMD Opteron 3260 HE	3259	1153	NA	NA
AMD Opteron 3280	5403	714	19.78	\$273.18*
AMD Opteron 3320 EE	2675	1351	NA	NA
AMD Opteron 3350 HE	4009	969	NA	NA
AMD Opteron 3365	5963	642	NA	NA
AMD Opteron 3380	6384	606	7.89	\$809.00*
AMD Opteron 4122	2942	1258	23.55	\$124.99*
AMD Opteron 4162 EE	3166	1184	NA	NA
AMD Opteron 4170 HE	3664	1053	62.11	\$59.00*
AMD Opteron 4184	4418	894	8.50	\$519.95*
AMD Opteron 4280	6430	600	128.63	\$49.99
AMD Opteron 4284	6660	578	111.03	\$59.99
AMD Opteron 4332 HE	5614	683	NA	NA
AMD Opteron 4334	6099	632	28.18	\$216.42*
AMD Opteron 4365 EE	5025	779	NA	NA
AMD Opteron 4386	6761	566	48.30	\$139.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 6128	4505	874	214.63	\$20.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 6134	2938	1260	66.81	\$43.99
AMD Opteron 6136	4631	847	42.10	\$110.00*
AMD Opteron 6164 HE	5351	722	NA	NA
AMD Opteron 6174	6171	623	62.34	\$99.00
AMD Opteron 6176 SE	5446	708	34.26	\$159.00
AMD Opteron 6212	5776	664	192.62	\$29.99
AMD Opteron 6220	6785	563	113.11	\$59.99
AMD Opteron 6234	5938	647	84.84	\$69.99*
AMD Opteron 6238	7673	482	127.92	\$59.99
AMD Opteron 6272	6748	569	112.50	\$59.99
AMD Opteron 6274	4865	808	20.36	\$239.00
AMD Opteron 6276	9011	369	112.66	\$79.99
AMD Opteron 6282 SE	9116	359	70.13	\$129.99
AMD Opteron 6287 SE	9789	300	NA	NA
AMD Opteron 6328	7813	465	39.07	\$199.99
AMD Opteron 6366 HE	7503	495	37.52	\$199.99
AMD Opteron 6376	9414	335	144.84	\$65.00
AMD Opteron 6378	2152	1544	10.76	\$199.99
AMD Opteron 6380	10081	273	100.83	\$99.99
AMD Opteron 6386 SE	10748	237	71.66	\$149.99
AMD Opteron 8354	2255	1509	102.52	\$22.00
AMD Opteron 8439 SE	3813	1013	50.84	\$75.00*
AMD Opteron X2170 APU	3059	1221	NA	NA
AMD Opteron X3216 APU	2368	1463	NA	NA
AMD Opteron X3421 APU	4899	802	NA	NA
AMD Phenom 2 X4 12000	3005	1238	NA	NA
AMD Phenom 7950 Quad-Core	2991	1243	NA	NA
AMD Phenom 8250 Triple-Core	1644	1791	NA	NA
AMD Phenom 8250e Triple-Core	1619	1805	34.45	\$46.99*
AMD Phenom 8400 Triple-Core	1631	1799	NA	NA
AMD Phenom 8450 Triple-Core	1888	1668	63.05	\$29.95*
AMD Phenom 8450e Triple-Core	2040	1591	NA	NA
AMD Phenom 8600 Triple-Core	1703	1757	32.15	\$52.99*
AMD Phenom 8600B Triple-Core	1918	1647	36.20	\$52.99*
AMD Phenom 8650 Triple-Core	1988	1614	39.78	\$49.99*
AMD Phenom 8750 Triple-Core	2058	1586	NA	NA
AMD Phenom 8750B Triple-Core	2034	1595	NA	NA
AMD Phenom 8850 Triple-Core	2026	1597	NA	NA
AMD Phenom 8850B Triple-Core	2080	1579	NA	NA
AMD Phenom 9100e Quad-Core	1835	1692	45.96	\$39.95*
AMD Phenom 9150e Quad-Core	2114	1563	52.92	\$39.95*
AMD Phenom 9350e Quad-Core	2320	1472	0.69	\$3,382.07*
AMD Phenom 9450e Quad-Core	2621	1366	24.96	\$105.00*
AMD Phenom 9500 Quad-Core	2203	1529	76.00	\$28.99
AMD Phenom 9550 Quad-Core	2543	1395	87.74	\$28.99
AMD Phenom 9600 Quad-Core	2305	1480	46.16	\$49.95*
AMD Phenom 9600B Quad-Core	2573	1384	17.48	\$147.19*
AMD Phenom 9650 Quad-Core	2635	1362	47.97	\$54.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom 9750 Quad-Core	2810	1306	95.31	\$29.49
AMD Phenom 9750B Quad-Core	2709	1340	NA	NA
AMD Phenom 9850 Quad-Core	2892	1283	24.11	\$119.99
AMD Phenom 9850B Quad-Core	3160	1192	NA	NA
AMD Phenom 9950 Quad-Core	3013	1234	22.32	\$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1405	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1257	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1059	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1094	NA	NA
AMD Phenom II N620 Dual-Core	1681	1770	421.43	\$3.99*
AMD Phenom II N640 Dual-Core	1716	1744	26.43	\$64.95*
AMD Phenom II N660 Dual-Core	1851	1683	18.70	\$99.00*
AMD Phenom II N830 3+1	2652	1357	NA	NA
AMD Phenom II N830 Triple-Core	1889	1667	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II N850 Triple-Core	1937	1637	77.50	\$25.00*
AMD Phenom II N870 Triple-Core	1988	1613	NA	NA
AMD Phenom II N930 Quad-Core	2272	1502	17.49	\$129.95*
AMD Phenom II N950 Quad-Core	2485	1420	22.07	\$112.60*
AMD Phenom II N970 Quad-Core	2524	1401	16.83	\$149.99*
AMD Phenom II P650 Dual-Core	1597	1819	45.66	\$35.00*
AMD Phenom II P820 Triple-Core	1604	1813	NA	NA
AMD Phenom II P840 Triple-Core	1741	1732	NA	NA
AMD Phenom II P860 Triple-Core	1759	1719	NA	NA
AMD Phenom II P920 Quad-Core	1866	1676	24.89	\$75.00*
AMD Phenom II P940 Quad-Core	1820	1700	NA	NA
AMD Phenom II P960 Quad-Core	2084	1577	74.43	\$28.00*
AMD Phenom II X2 511	2104	1567	NA	NA
AMD Phenom II X2 521	2071	1582	NA	NA
AMD Phenom II X2 545	1914	1650	43.52	\$43.98
AMD Phenom II X2 550	2022	1599	40.46	\$49.99
AMD Phenom II X2 555	2045	1590	73.11	\$27.98
AMD Phenom II X2 560	2058	1587	51.47	\$39.99
AMD Phenom II X2 565	2211	1524	73.73	\$29.99*
AMD Phenom II X2 570	1960	1627	NA	NA
AMD Phenom II X2 B53	1709	1753	NA	NA
AMD Phenom II X2 B55	1916	1649	39.92	\$48.00*
AMD Phenom II X2 B57	1826	1697	NA	NA
AMD Phenom II X2 B59	2150	1546	107.62	\$19.98
AMD Phenom II X3 700e	2285	1493	NA	NA
AMD Phenom II X3 705e	2227	1519	14.63	\$152.34*
AMD Phenom II X3 710	2444	1432	28.91	\$84.53*
AMD Phenom II X3 715	2649	1359	31.17	\$84.99*
AMD Phenom II X3 720	2673	1352	38.20	\$69.99
AMD Phenom II X3 740	2985	1245	33.55	\$88.99*
AMD Phenom II X3 B73	2735	1335	36.47	\$75.00*
AMD Phenom II X3 B75	2929	1265	73.25	\$39.99
AMD Phenom II X3 B77	3067	1218	137.64	\$22.29*
AMD Phenom II X4 805	3001	1241	17.25	\$173.99*
AMD Phenom II X4 810	3124	1200	26.94	\$115.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X4 820	3400	1117	45.37	\$74.95*
AMD Phenom II X4 830	3434	1108	42.96	\$79.95*
AMD Phenom II X4 840	3508	1090	39.00	\$89.95*
AMD Phenom II X4 840T	3601	1065	51.45	\$69.99
AMD Phenom II X4 850	3547	1081	54.59	\$64.99
AMD Phenom II X4 900e	2882	1287	NA	NA
AMD Phenom II X4 905e	3087	1212	57.18	\$53.99
AMD Phenom II X4 910	3253	1155	32.53	\$100.00*
AMD Phenom II X4 910e	3253	1154	20.72	\$156.99*
AMD Phenom II X4 920	3396	1121	75.50	\$44.99
AMD Phenom II X4 925	3421	1112	77.78	\$43.99
AMD Phenom II X4 940	3591	1068	60.52	\$59.34
AMD Phenom II X4 945	3659	1055	73.94	\$49.49
AMD Phenom II X4 955	3929	991	30.19	\$130.16*
AMD Phenom II X4 960T	3787	1020	59.19	\$63.99
AMD Phenom II X4 965	4189	937	71.03	\$58.99
AMD Phenom II X4 970	4326	912	29.21	\$148.11*
AMD Phenom II X4 973	3759	1027	NA	NA
AMD Phenom II X4 975	4459	882	31.93	\$139.69
AMD Phenom II X4 977	3750	1031	NA	NA
AMD Phenom II X4 980	4493	878	32.88	\$136.64*
AMD Phenom II X4 8700e	2377	1458	NA	NA
AMD Phenom II X4 B05e	2781	1316	NA	NA
AMD Phenom II X4 B15e	2736	1334	NA	NA
AMD Phenom II X4 B25	3330	1137	NA	NA
AMD Phenom II X4 B35	3383	1125	NA	NA
AMD Phenom II X4 B40	3376	1127	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	3467	1101	NA	NA
AMD Phenom II X4 B50	3702	1043	NA	NA
AMD Phenom II X4 B55	3859	1000	NA	NA
AMD Phenom II X4 B60	4043	962	NA	NA
AMD Phenom II X4 B65	4177	940	NA	NA
AMD Phenom II X4 B70	4261	925	NA	NA
AMD Phenom II X4 B93	3355	1132	NA	NA
AMD Phenom II X4 B95	3687	1050	50.55	\$72.95*
AMD Phenom II X4 B97	3872	998	67.95	\$56.99
AMD Phenom II X4 B99	4130	951	NA	NA
AMD Phenom II X6 1035T	4653	842	24.62	\$189.00*
AMD Phenom II X6 1045T	4810	818	58.67	\$81.99
AMD Phenom II X6 1055T	4962	792	61.85	\$80.24
AMD Phenom II X6 1065T	5049	773	NA	NA
AMD Phenom II X6 1075T	5341	725	47.28	\$112.99
AMD Phenom II X6 1090T	5578	688	14.08	\$396.08*
AMD Phenom II X6 1100T	5723	671	32.25	\$177.49
AMD Phenom II X6 1405T	5042	778	NA	NA
AMD Phenom II X620 Dual-Core	2189	1534	NA	NA
AMD Phenom II X640 Dual-Core	2021	1601	NA	NA
AMD Phenom II X920 Quad-Core	2650	1358	NA	NA
AMD Phenom II X940 Quad-Core	2695	1344	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom Ultra X4 24500	3945	987	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1761	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1525	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1725	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2026	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	1887	NA	NA
AMD Phenom X3 8550	1922	1644	11.31	\$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1720	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1610	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1517	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1282	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1339	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1346	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2010	NA	NA
AMD PRO A4-3350B APU	2274	1500	NA	NA
AMD PRO A4-8350B	2791	1312	NA	NA
AMD PRO A6-7350B	2759	1326	NA	NA
AMD PRO A6-8500B	2516	1406	NA	NA
AMD PRO A6-8530B	2388	1453	NA	NA
AMD PRO A6-8550B	2985	1246	NA	NA
AMD PRO A6-8570	3049	1226	NA	NA
AMD PRO A6-8570E	2824	1299	NA	NA
AMD PRO A6-9500	3239	1164	43.77	\$74.00*
AMD PRO A6-9500B	2076	1581	NA	NA
AMD PRO A6-9500E	2761	1325	37.31	\$74.00*
AMD PRO A8-8600B	3544	1082	NA	NA
AMD PRO A8-8650B	5426	711	NA	NA
AMD PRO A8-8670E	5015	781	NA	NA
AMD PRO A8-9600	5296	733	44.51	\$119.00*
AMD PRO A8-9600B	3979	977	NA	NA
AMD PRO A10-8700B	3583	1072	NA	NA
AMD PRO A10-8730B	3971	979	NA	NA
AMD PRO A10-8750B	5470	703	NA	NA
AMD PRO A10-8770	5707	672	NA	NA
AMD PRO A10-8770E	5045	776	NA	NA
AMD PRO A10-8850B	5852	656	NA	NA
AMD PRO A10-9700	5677	678	33.59	\$169.00*
AMD PRO A10-9700B	4393	897	NA	NA
AMD PRO A10-9700E	5066	769	36.45	\$139.00*
AMD PRO A12-8800B	4137	949	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD PRO A12-8830B	4325	913	NA	NA
AMD PRO A12-8870	6067	636	NA	NA
AMD PRO A12-8870E	5186	745	NA	NA
AMD PRO A12-9800	6199	619	36.68	\$169.00*
AMD PRO A12-9800B	4158	943	NA	NA
AMD PRO A12-9800E	4788	823	28.34	\$169.00*
AMD QC-4000	1663	1782	NA	NA
AMD R-260H APU	1576	1826	NA	NA
AMD R-460L APU	1954	1630	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD R-464L APU	3117	1203	NA	NA
AMD RX-427BB	4318	915	NA	NA
AMD Ryzen 3 1200	6743	570	70.99	\$94.99
AMD Ryzen 3 1300X	7492	497	55.50	\$134.99
AMD Ryzen 3 2200G	7318	516	77.04	\$94.99
AMD Ryzen 3 2200GE	6861	557	NA	NA
AMD Ryzen 3 2200U	4449	883	NA	NA
AMD Ryzen 3 2300U	6288	613	NA	NA
AMD Ryzen 3 PRO 1200	7069	538	NA	NA
AMD Ryzen 3 PRO 1300	8022	447	NA	NA
AMD Ryzen 3 PRO 2200G	8060	441	NA	NA
AMD Ryzen 3 PRO 2200GE	7768	470	NA	NA
AMD Ryzen 3 PRO 2300U	7177	529	NA	NA
AMD Ryzen 5 1400	8375	415	62.05	\$134.99
AMD Ryzen 5 1500X	10080	274	69.53	\$144.99
AMD Ryzen 5 1600	12267	196	76.68	\$159.99
AMD Ryzen 5 1600X	13234	172	78.41	\$168.77
AMD Ryzen 5 2400G	9275	347	57.97	\$159.99
AMD Ryzen 5 2400GE	7932	454	NA	NA
AMD Ryzen 5 2500U	7321	515	NA	NA
AMD Ryzen 5 2600	13525	166	81.98	\$164.99
AMD Ryzen 5 2600X	14356	141	73.63	\$194.99
AMD Ryzen 5 PRO 1500	10118	269	NA	NA
AMD Ryzen 5 PRO 1600	12213	197	NA	NA
AMD Ryzen 5 PRO 2400G	10046	277	NA	NA
AMD Ryzen 5 PRO 2400GE	9376	338	NA	NA
AMD Ryzen 5 PRO 2500U	8849	385	NA	NA
AMD Ryzen 5 PRO 2600	14645	132	NA	NA
AMD Ryzen 7 1700	13746	158	80.87	\$169.99
AMD Ryzen 7 1700X	14678	130	77.26	\$189.99
AMD Ryzen 7 1800X	15390	116	55.71	\$276.25
AMD Ryzen 7 2700	14994	127	57.67	\$259.99
AMD Ryzen 7 2700U	7382	510	NA	NA
AMD Ryzen 7 2700X	16979	82	54.95	\$308.99
AMD Ryzen 7 2800H	8498	409	NA	NA
AMD Ryzen 7 PRO 1700	14171	145	NA	NA
AMD Ryzen 7 PRO 1700X	15349	117	NA	NA
AMD Ryzen 7 PRO 2700	15897	108	NA	NA
AMD Ryzen 7 PRO 2700U	8994	372	NA	NA
AMD Ryzen 7 PRO 2700X	17276	77	NA	NA
AMD Ryzen Embedded V1202B	5051	772	NA	NA
AMD Ryzen Embedded V1605B	7667	483	NA	NA
AMD Ryzen Embedded V1807B	7185	527	NA	NA
AMD Ryzen Threadripper 1900X	16008	104	50.60	\$316.38
AMD Ryzen Threadripper 1920X	19313	54	44.34	\$435.56
AMD Ryzen Threadripper 1950X	22004	25	37.30	\$589.99
AMD Ryzen Threadripper 2920X	20924	40	33.86	\$617.99
AMD Ryzen Threadripper 2950X	25691	10	29.20	\$879.99
AMD Ryzen Threadripper 2970WX	18950	59	15.34	\$1,234.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen Threadripper 2990WX	24101	17	13.93	\$1,729.99
AMD Ryzen Threadripper 2990X	18311	68	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron 130	656	2314	26.29	\$24.99*
AMD Sempron 140	735	2274	18.57	\$39.59*
AMD Sempron 145	806	2246	47.47	\$16.98
AMD Sempron 150	707	2289	15.74	\$44.95*
AMD Sempron 200U	267	2677	3.08	\$87.00*
AMD Sempron 210U	391	2523	NA	NA
AMD Sempron 240	2110	1565	36.39	\$58.00
AMD Sempron 2100+	392	2521	NA	NA
AMD Sempron 2200+	281	2661	9.38	\$29.99*
AMD Sempron 2300+	318	2596	7.07	\$45.00*
AMD Sempron 2400+	313	2605	12.06	\$26.00
AMD Sempron 2500+	335	2580	3.54	\$94.95
AMD Sempron 2600+	373	2539	4.16	\$89.95
AMD Sempron 2650 APU	947	2170	23.69	\$40.00
AMD Sempron 2800+	383	2527	19.18	\$19.99
AMD Sempron 3000+	409	2494	20.47	\$20.00
AMD Sempron 3100+	452	2448	7.53	\$60.00*
AMD Sempron 3200+	406	2496	3.10	\$131.22
AMD Sempron 3300+	484	2419	8.07	\$60.00
AMD Sempron 3400+	454	2447	15.18	\$29.91*
AMD Sempron 3500+	379	2530	18.98	\$20.00*
AMD Sempron 3600+	487	2412	40.59	\$12.00*
AMD Sempron 3800+	554	2365	26.39	\$21.00*
AMD Sempron 3850 APU	1716	1745	50.49	\$33.99
AMD Sempron Dual Core 2100	936	2177	24.02	\$39.00*
AMD Sempron Dual Core 2200	995	2134	NA	NA
AMD Sempron Dual Core 2300	982	2143	23.39	\$41.99*
AMD Sempron Dual Core 4700	948	2168	NA	NA
AMD Sempron Dual Core 4900	1081	2086	NA	NA
AMD Sempron LE-250	490	2406	NA	NA
AMD Sempron LE-1100	438	2466	NA	NA
AMD Sempron LE-1150	445	2455	NA	NA
AMD Sempron LE-1200	528	2379	NA	NA
AMD Sempron LE-1250	541	2371	5.41	\$99.95*
AMD Sempron LE-1300	605	2336	30.28	\$20.00
AMD Sempron LE-1600	535	2376	NA	NA
AMD Sempron LE-1620	635	2323	NA	NA
AMD Sempron LE-1640	759	2265	NA	NA
AMD Sempron M100	558	2364	46.58	\$12.00*
AMD Sempron M120	582	2349	NA	NA
AMD Sempron SI-40	443	2458	36.93	\$12.00*
AMD Sempron SI-42	454	2445	15.16	\$30.01
AMD Sempron X2 180	1222	2003	17.62	\$69.40*
AMD Sempron X2 190	1509	1857	18.09	\$83.44*
AMD Sempron X2 198 Dual-Core	1413	1896	NA	NA
AMD Turion 64 Mobile MK-36	465	2433	NA	NA
AMD Turion 64 Mobile MK-38	513	2390	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion 64 Mobile ML-28	390	2524	NA	NA
AMD Turion 64 Mobile ML-30	402	2504	NA	NA
AMD Turion 64 Mobile ML-32	409	2491	NA	NA
AMD Turion 64 Mobile ML-34	425	2482	NA	NA
AMD Turion 64 Mobile ML-37	442	2459	2.25	\$196.50*
AMD Turion 64 Mobile ML-40	522	2384	NA	NA
AMD Turion 64 Mobile ML-42	615	2332	NA	NA
AMD Turion 64 Mobile ML-44	591	2343	NA	NA
AMD Turion 64 Mobile MT-28	419	2483	NA	NA
AMD Turion 64 Mobile MT-30	378	2531	NA	NA
AMD Turion 64 Mobile MT-32	426	2481	NA	NA
AMD Turion 64 Mobile MT-34	429	2477	NA	NA
AMD Turion 64 Mobile MT-37	484	2418	NA	NA
AMD Turion 64 Mobile MT-40	536	2374	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2271	14.95	\$49.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion 64 X2 Mobile TL-52	765	2260	NA	NA
AMD Turion 64 X2 Mobile TL-56	886	2206	44.33	\$20.00*
AMD Turion 64 X2 Mobile TL-58	945	2171	NA	NA
AMD Turion 64 X2 Mobile TL-60	993	2139	41.47	\$23.95*
AMD Turion 64 X2 Mobile TL-62	1087	2079	3.50	\$311.00*
AMD Turion 64 X2 Mobile TL-64	1110	2061	28.20	\$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2051	3.02	\$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2037	12.92	\$90.00*
AMD Turion Dual-Core RM-70	904	2200	36.16	\$25.00*
AMD Turion Dual-Core RM-72	860	2213	22.65	\$38.00*
AMD Turion Dual-Core RM-74	1016	2120	NA	NA
AMD Turion Dual-Core RM-75	977	2146	35.61	\$27.46*
AMD Turion II Dual-Core Mobile M500	1294	1958	NA	NA
AMD Turion II Dual-Core Mobile M520	1305	1950	18.89	\$69.10*
AMD Turion II Dual-Core Mobile M540	1338	1935	NA	NA
AMD Turion II N530 Dual-Core	1583	1825	52.78	\$30.00*
AMD Turion II N550 Dual-Core	1521	1847	NA	NA
AMD Turion II Neo K625 Dual-Core	973	2147	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2022	NA	NA
AMD Turion II Neo N40L Dual-Core	924	2186	NA	NA
AMD Turion II Neo N54L Dual-Core	1376	1914	NA	NA
AMD Turion II P520 Dual-Core	1357	1925	NA	NA
AMD Turion II P540 Dual-Core	1429	1888	28.62	\$49.95*
AMD Turion II P560 Dual-Core	1513	1856	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	1899	78.98	\$17.81*
AMD Turion II Ultra Dual-Core Mobile M620	1427	1890	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1669	1778	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	1842	NA	NA
AMD Turion Neo X2 Dual Core L625	819	2237	NA	NA
AMD Turion X2 Dual Core L510	923	2188	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2216	6.48	\$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2095	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	994	2137	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1083	2083	4.83	\$224.26*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion X2 Dual-Core Mobile RM-74	1059	2094	42.48	\$24.95*
AMD Turion X2 Dual-Core Mobile RM-75	1137	2053	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2044	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1014	2121	72.45	\$14.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2082	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1213	2009	94.53	\$12.84
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	1999	27.43	\$45.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1297	1956	23.58	\$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1267	1980	31.72	\$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2132	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2112	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	1880	NA	NA
AMD V105	299	2625	NA	NA
AMD V120	623	2330	NA	NA
AMD V140	642	2321	12.85	\$49.95*
AMD V160	679	2305	NA	NA
AMD Z-01	523	2383	NA	NA
AMD Z-60 APU	500	2401	NA	NA
AMD-K6 3D	90	2801	NA	NA
AMD-K6-III	108	2798	NA	NA
AMD-K7	403	2503	NA	NA
Athlon 64 Dual Core 3800+	1234	2000	NA	NA
Athlon 64 Dual Core 4200+	1156	2042	5.64	\$204.95*
Athlon 64 Dual Core 4800+	1370	1916	NA	NA
Athlon 64 Dual Core 5000+	1507	1858	NA	NA
Athlon 64 Dual Core 5400+	1614	1808	NA	NA
Athlon 64 Dual Core 5600+	1548	1837	NA	NA
Athlon Dual Core 4050e	968	2154	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Athlon Dual Core 4450e	1204	2014	NA	NA
Athlon Dual Core 4850e	1327	1939	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1295	NA	NA
Celeron Dual-Core T3000 @ 1.80GHz	1084	2081	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1168	2033	NA	NA
Celeron Dual-Core T3300 @ 2.00GHz	1200	2016	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1276	1972	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2012	NA	NA
HP Hexa-Core 2.0GHz	2178	1538	4.32	\$504.27*
Intel 1300 @ 1.66GHz	857	2219	NA	NA
Intel 1400 @ 1.83GHz	980	2144	NA	NA
Intel 1500 @ 2.00GHz	1024	2115	NA	NA
Intel Atom 230 @ 1.60GHz	307	2611	NA	NA
Intel Atom 330 @ 1.60GHz	587	2346	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2203	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2160	NA	NA
Intel Atom C2538 @ 2.40GHz	2085	1575	20.05	\$104.00*
Intel Atom C2550 @ 2.40GHz	2261	1506	NA	NA
Intel Atom C2558 @ 2.40GHz	2169	1539	15.95	\$136.00*
Intel Atom C2750 @ 2.40GHz	3806	1016	16.41	\$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1135	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom C2758 @ 2.40GHz	3162	1188	14.72	\$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1426	32.73	\$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1397	29.52	\$86.00*
Intel Atom C3858 @ 2.00GHz	4852	812	14.62	\$332.00*
Intel Atom D410 @ 1.66GHz	301	2621	0.47	\$635.99*
Intel Atom D425 @ 1.80GHz	345	2573	0.35	\$992.98*
Intel Atom D510 @ 1.66GHz	657	2313	6.76	\$97.16*
Intel Atom D525 @ 1.80GHz	705	2291	NA	NA
Intel Atom D2500 @ 1.86GHz	404	2501	NA	NA
Intel Atom D2550 @ 1.86GHz	680	2304	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2285	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2226	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2282	NA	NA
Intel Atom E660 @ 1.30GHz	271	2672	5.03	\$54.00*
Intel Atom E680 @ 1.60GHz	346	2570	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2586	2.22	\$149.00
Intel Atom E3825 @ 1.33GHz	579	2352	8.24	\$70.32*
Intel Atom E3826 @ 1.46GHz	489	2408	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2223	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2038	NA	NA
Intel Atom E3845 @ 1.91GHz	1499	1862	NA	NA
Intel Atom E3940 @ 1.60GHz	1889	1666	NA	NA
Intel Atom E3950 @ 1.60GHz	1827	1695	NA	NA
Intel Atom K510 @ 1.66GHz	658	2311	NA	NA
Intel Atom N270 @ 1.60GHz	269	2676	NA	NA
Intel Atom N280 @ 1.66GHz	283	2654	NA	NA
Intel Atom N435 @ 1.33GHz	261	2684	NA	NA
Intel Atom N450 @ 1.66GHz	296	2631	NA	NA
Intel Atom N455 @ 1.66GHz	284	2650	NA	NA
Intel Atom N470 @ 1.83GHz	307	2610	NA	NA
Intel Atom N475 @ 1.83GHz	314	2601	NA	NA
Intel Atom N550 @ 1.50GHz	525	2382	6.11	\$86.00*
Intel Atom N570 @ 1.66GHz	573	2356	6.67	\$86.00*
Intel Atom N2100 @ 1.60GHz	302	2617	NA	NA
Intel Atom N2600 @ 1.60GHz	525	2380	NA	NA
Intel Atom N2800 @ 1.86GHz	627	2326	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2193	14.32	\$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1592	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2244	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1623	1803	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1193	2018	8.97	\$132.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom x5-Z8330 @ 1.44GHz	1018	2118	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1264	1982	60.21	\$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1695	1763	27.10	\$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1837	1691	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1899	1659	25.80	\$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1904	1654	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2752	4.33	\$45.00*
Intel Atom Z515 @ 1.20GHz	218	2728	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom Z520 @ 1.33GHz	215	2731	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2660	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2567	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2528	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2708	NA	NA
Intel Atom Z2760 @ 1.80GHz	565	2361	NA	NA
Intel Atom Z3735D @ 1.33GHz	914	2194	NA	NA
Intel Atom Z3735E @ 1.33GHz	927	2184	7.93	\$117.00*
Intel Atom Z3735F @ 1.33GHz	908	2199	5.01	\$181.30*
Intel Atom Z3735G @ 1.33GHz	909	2197	NA	NA
Intel Atom Z3736F @ 1.33GHz	920	2191	NA	NA
Intel Atom Z3740 @ 1.33GHz	1062	2093	NA	NA
Intel Atom Z3740D @ 1.33GHz	1025	2114	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2089	35.98	\$30.00*
Intel Atom Z3745D @ 1.33GHz	1034	2107	NA	NA
Intel Atom Z3770 @ 1.46GHz	1245	1995	8.34	\$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2247	NA	NA
Intel Atom Z3775 @ 1.46GHz	1257	1983	35.92	\$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	1971	NA	NA
Intel Atom Z3795 @ 1.60GHz	1771	1716	NA	NA
Intel Celeron 1.70GHz	130	2791	NA	NA
Intel Celeron 1.80GHz	136	2788	NA	NA
Intel Celeron 2.00GHz	182	2764	NA	NA
Intel Celeron 2.10GHz	244	2706	NA	NA
Intel Celeron 2.13GHz	208	2739	NA	NA
Intel Celeron 2.20GHz	213	2734	NA	NA
Intel Celeron 2.26GHz	223	2723	NA	NA
Intel Celeron 2.30GHz	227	2720	NA	NA
Intel Celeron 2.40GHz	217	2729	NA	NA
Intel Celeron 2.50GHz	247	2700	NA	NA
Intel Celeron 2.53GHz	245	2704	NA	NA
Intel Celeron 2.60GHz	238	2711	NA	NA
Intel Celeron 2.66GHz	250	2697	NA	NA
Intel Celeron 2.70GHz	245	2705	NA	NA
Intel Celeron 2.80GHz	254	2690	NA	NA
Intel Celeron 2.93GHz	283	2653	NA	NA
Intel Celeron 3.06GHz	285	2649	NA	NA
Intel Celeron 3.20GHz	288	2642	NA	NA
Intel Celeron 3.33GHz	333	2583	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2592	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2595	NA	NA
Intel Celeron 420 @ 1.60GHz	449	2451	11.25	\$39.99
Intel Celeron 430 @ 1.80GHz	490	2407	29.69	\$16.52
Intel Celeron 440 @ 2.00GHz	546	2366	9.11	\$59.99
Intel Celeron 450 @ 2.20GHz	624	2328	20.83	\$29.99
Intel Celeron 530 @ 1.73GHz	468	2430	20.37	\$23.00*
Intel Celeron 540 @ 1.86GHz	518	2385	NA	NA
Intel Celeron 550 @ 2.00GHz	515	2389	7.94	\$64.95
Intel Celeron 560 @ 2.13GHz	535	2375	6.70	\$79.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 570 @ 2.26GHz	517	2386	NA	NA
Intel Celeron 600MHz	147	2784	NA	NA
Intel Celeron 723 @ 1.20GHz	405	2499	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 743 @ 1.30GHz	429	2476	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2268	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2545	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2333	NA	NA
Intel Celeron 847 @ 1.10GHz	937	2176	2.98	\$315.00*
Intel Celeron 847E @ 1.10GHz	1030	2108	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2049	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2030	39.12	\$29.99
Intel Celeron 877 @ 1.40GHz	1289	1962	NA	NA
Intel Celeron 887 @ 1.50GHz	1274	1974	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2306	23.35	\$28.99
Intel Celeron 925 @ 2.30GHz	692	2297	NA	NA
Intel Celeron 1000M @ 1.80GHz	1676	1772	NA	NA
Intel Celeron 1000MHz	213	2733	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1702	NA	NA
Intel Celeron 1007U @ 1.50GHz	1391	1906	7.52	\$184.99*
Intel Celeron 1017U @ 1.60GHz	1519	1851	NA	NA
Intel Celeron 1019Y @ 1.00GHz	931	2180	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1518	NA	NA
Intel Celeron 1037U @ 1.80GHz	1735	1737	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2021	NA	NA
Intel Celeron 1066MHz	259	2685	NA	NA
Intel Celeron 1100MHz	174	2770	NA	NA
Intel Celeron 1133MHz	282	2655	NA	NA
Intel Celeron 1200MHz	244	2707	NA	NA
Intel Celeron 1300MHz	288	2644	NA	NA
Intel Celeron 1333MHz	290	2638	NA	NA
Intel Celeron 1400MHz	302	2618	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1465	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1811	18.67	\$86.00*
Intel Celeron 2950M @ 2.00GHz	1997	1609	NA	NA
Intel Celeron 2955U @ 1.40GHz	1419	1893	NA	NA
Intel Celeron 2957U @ 1.40GHz	1437	1886	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2062	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1477	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	1823	NA	NA
Intel Celeron 2981U @ 1.60GHz	1576	1827	NA	NA
Intel Celeron 3205U @ 1.50GHz	1520	1848	5.30	\$287.04*
Intel Celeron 3215U @ 1.70GHz	1660	1783	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1758	NA	NA
Intel Celeron 3765U @ 1.90GHz	1990	1612	NA	NA
Intel Celeron 3855U @ 1.60GHz	1651	1790	NA	NA
Intel Celeron 3865U @ 1.80GHz	1936	1638	NA	NA
Intel Celeron 3955U @ 2.00GHz	1869	1675	NA	NA
Intel Celeron 3965U @ 2.20GHz	2411	1443	22.54	\$107.00*
Intel Celeron 3965Y @ 1.50GHz	1619	1804	15.14	\$107.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron @ 1.30GHz	965	2155	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2758	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2241	NA	NA
Intel Celeron B800 @ 1.50GHz	1273	1975	NA	NA
Intel Celeron B810 @ 1.60GHz	1411	1897	NA	NA
Intel Celeron B815 @ 1.60GHz	1361	1921	NA	NA
Intel Celeron B820 @ 1.70GHz	1427	1889	36.34	\$39.29*
Intel Celeron B830 @ 1.80GHz	1521	1846	NA	NA
Intel Celeron B840 @ 1.90GHz	1719	1741	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2675	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2619	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2598	NA	NA
Intel Celeron D 360 @ 3.46GHz	334	2582	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2500	4.50	\$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2421	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2347	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron E1200 @ 1.60GHz	858	2218	3.81	\$225.00
Intel Celeron E1400 @ 2.00GHz	1048	2101	1.65	\$635.00
Intel Celeron E1500 @ 2.20GHz	1172	2031	59.67	\$19.65
Intel Celeron E1600 @ 2.40GHz	1255	1985	NA	NA
Intel Celeron E3200 @ 2.40GHz	1394	1905	26.81	\$51.99*
Intel Celeron E3300 @ 2.50GHz	1386	1908	22.21	\$62.44
Intel Celeron E3400 @ 2.60GHz	1437	1885	23.87	\$60.23
Intel Celeron E3500 @ 2.70GHz	1454	1879	36.37	\$39.99
Intel Celeron G440 @ 1.60GHz	690	2298	13.81	\$49.99
Intel Celeron G460 @ 1.80GHz	1026	2113	15.79	\$65.00
Intel Celeron G465 @ 1.90GHz	1064	2092	35.48	\$29.99
Intel Celeron G470 @ 2.00GHz	1298	1955	NA	NA
Intel Celeron G530 @ 2.40GHz	2138	1549	53.47	\$39.99
Intel Celeron G530T @ 2.00GHz	1717	1743	NA	NA
Intel Celeron G540 @ 2.50GHz	2202	1530	48.95	\$45.00*
Intel Celeron G540T @ 2.10GHz	2114	1562	NA	NA
Intel Celeron G550 @ 2.60GHz	2286	1491	114.40	\$19.99
Intel Celeron G550T @ 2.20GHz	2063	1583	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1439	4.76	\$509.00*
Intel Celeron G1101 @ 2.27GHz	1667	1779	84.34	\$19.77
Intel Celeron G1610 @ 2.60GHz	2490	1418	99.65	\$24.99
Intel Celeron G1610T @ 2.30GHz	2303	1481	57.53	\$40.04*
Intel Celeron G1620 @ 2.70GHz	2578	1382	16.79	\$153.59*
Intel Celeron G1620T @ 2.40GHz	2353	1468	56.03	\$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1415	49.89	\$49.99
Intel Celeron G1820 @ 2.70GHz	2752	1329	42.35	\$65.00
Intel Celeron G1820T @ 2.40GHz	2505	1412	59.66	\$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1552	NA	NA
Intel Celeron G1830 @ 2.80GHz	2544	1394	36.35	\$69.99
Intel Celeron G1840 @ 2.80GHz	2863	1291	38.18	\$74.99
Intel Celeron G1840T @ 2.50GHz	2605	1371	NA	NA
Intel Celeron G1850 @ 2.90GHz	2905	1274	36.32	\$79.99
Intel Celeron G3900 @ 2.80GHz	3161	1189	60.09	\$52.62
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G3900E @ 2.40GHz	2679	1349	NA	NA
Intel Celeron G3900T @ 2.60GHz	2919	1269	NA	NA
Intel Celeron G3900TE @ 2.30GHz	2591	1377	61.71	\$42.00*
Intel Celeron G3920 @ 2.90GHz	3120	1201	52.03	\$59.98
Intel Celeron G3930 @ 2.90GHz	3030	1230	59.23	\$51.17*
Intel Celeron G3930T @ 2.70GHz	2766	1322	32.94	\$83.99
Intel Celeron G3950 @ 3.00GHz	3006	1237	42.21	\$71.22*
Intel Celeron G4900 @ 3.10GHz	3290	1148	73.63	\$44.69
Intel Celeron G4900T @ 2.90GHz	2960	1254	NA	NA
Intel Celeron G4920 @ 3.20GHz	3302	1145	35.17	\$93.90
Intel Celeron J1750 @ 2.41GHz	1037	2106	NA	NA
Intel Celeron J1800 @ 2.41GHz	1026	2111	NA	NA
Intel Celeron J1850 @ 1.99GHz	1614	1809	NA	NA
Intel Celeron J1900 @ 1.99GHz	1849	1684	NA	NA
Intel Celeron J3060 @ 1.60GHz	972	2149	NA	NA
Intel Celeron J3160 @ 1.60GHz	1791	1710	NA	NA
Intel Celeron J3355 @ 2.00GHz	1180	2025	NA	NA
Intel Celeron J3455 @ 1.50GHz	2134	1551	5.62	\$379.99*
Intel Celeron J4005 @ 2.00GHz	1569	1832	11.17	\$140.51*
Intel Celeron J4105 @ 1.50GHz	2634	1363	24.62	\$107.00*
Intel Celeron M 1.00GHz	207	2740	16.60	\$12.49
Intel Celeron M 1.30GHz	316	2597	NA	NA
Intel Celeron M 1.50GHz	343	2575	NA	NA
Intel Celeron M 1.60GHz	365	2552	NA	NA
Intel Celeron M 1.70GHz	393	2520	NA	NA
Intel Celeron M 360 1.40GHz	327	2589	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2599	NA	NA
Intel Celeron M 420 @ 1.60GHz	339	2577	NA	NA
Intel Celeron M 430 @ 1.73GHz	367	2548	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron M 440 @ 1.86GHz	397	2511	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2692	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2450	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2475	NA	NA
Intel Celeron M 530 @ 1.73GHz	460	2441	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2370	NA	NA
Intel Celeron M 600MHz	151	2782	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2444	NA	NA
Intel Celeron M 900MHz	204	2742	NA	NA
Intel Celeron M 1200MHz	275	2670	NA	NA
Intel Celeron M 1300MHz	303	2615	NA	NA
Intel Celeron M 1500MHz	332	2585	NA	NA
Intel Celeron M ULV 800MHz	184	2762	NA	NA
Intel Celeron N2805 @ 1.46GHz	454	2446	NA	NA
Intel Celeron N2806 @ 1.60GHz	798	2248	NA	NA
Intel Celeron N2807 @ 1.58GHz	850	2222	NA	NA
Intel Celeron N2808 @ 1.58GHz	922	2189	NA	NA
Intel Celeron N2810 @ 2.00GHz	781	2253	5.58	\$139.99*
Intel Celeron N2815 @ 1.86GHz	856	2221	NA	NA
Intel Celeron N2820 @ 2.13GHz	930	2181	4.43	\$209.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron N2830 @ 2.16GHz	953	2166	NA	NA
Intel Celeron N2840 @ 2.16GHz	1002	2126	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2015	NA	NA
Intel Celeron N2920 @ 1.86GHz	1499	1861	NA	NA
Intel Celeron N2930 @ 1.83GHz	1629	1800	NA	NA
Intel Celeron N2940 @ 1.83GHz	1735	1736	NA	NA
Intel Celeron N3000 @ 1.04GHz	901	2201	NA	NA
Intel Celeron N3010 @ 1.04GHz	964	2156	NA	NA
Intel Celeron N3050 @ 1.60GHz	879	2207	7.36	\$119.42*
Intel Celeron N3060 @ 1.60GHz	989	2141	NA	NA
Intel Celeron N3150 @ 1.60GHz	1656	1788	NA	NA
Intel Celeron N3160 @ 1.60GHz	1671	1774	5.83	\$286.99*
Intel Celeron N3350 @ 1.10GHz	1109	2063	NA	NA
Intel Celeron N3450 @ 1.10GHz	1853	1682	11.32	\$163.80
Intel Celeron N4000 @ 1.10GHz	1460	1875	13.65	\$107.00*
Intel Celeron N4100 @ 1.10GHz	2303	1485	21.52	\$107.00*
Intel Celeron P4500 @ 1.87GHz	1119	2055	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2136	NA	NA
Intel Celeron P4600 @ 2.00GHz	1340	1932	NA	NA
Intel Celeron SU2300 @ 1.20GHz	769	2257	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2167	47.53	\$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2096	17.65	\$59.95*
Intel Celeron U1900 @ 1.99GHz	1704	1756	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2280	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2301	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2245	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2099	87.70	\$11.99
Intel Core2 Duo E4400 @ 2.00GHz	1156	2041	23.14	\$49.99
Intel Core2 Duo E4500 @ 2.20GHz	1271	1977	211.86	\$6.00
Intel Core2 Duo E4600 @ 2.40GHz	1386	1909	8.78	\$157.95
Intel Core2 Duo E4700 @ 2.60GHz	1483	1869	54.96	\$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1109	2064	85.39	\$12.99
Intel Core2 Duo E6320 @ 1.86GHz	1184	2024	23.70	\$49.99
Intel Core2 Duo E6400 @ 2.13GHz	1289	1963	64.63	\$19.95
Intel Core2 Duo E6420 @ 2.13GHz	1360	1922	27.23	\$49.99
Intel Core2 Duo E6540 @ 2.33GHz	1458	1876	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1498	1863	100.23	\$14.95
Intel Core2 Duo E6600 @ 2.40GHz	1553	1836	103.61	\$14.99
Intel Core2 Duo E6700 @ 2.66GHz	1692	1765	56.43	\$29.99
Intel Core2 Duo E6750 @ 2.66GHz	1714	1746	132.43	\$12.95
Intel Core2 Duo E6850 @ 3.00GHz	1948	1633	38.98	\$49.99
Intel Core2 Duo E7200 @ 2.53GHz	1631	1798	33.30	\$49.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo E7300 @ 2.66GHz	1726	1738	43.30	\$39.88
Intel Core2 Duo E7400 @ 2.80GHz	1773	1715	11.23	\$157.95
Intel Core2 Duo E7500 @ 2.93GHz	1875	1671	125.10	\$14.99
Intel Core2 Duo E7600 @ 3.06GHz	1971	1621	16.44	\$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1520	1850	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1746	1727	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1887	1669	37.76	\$49.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo E8235 @ 2.80GHz	1965	1624	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1467	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1994	1611	99.76	\$19.99
Intel Core2 Duo E8335 @ 2.66GHz	1846	1685	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1557	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2149	1547	21.51	\$99.95
Intel Core2 Duo E8435 @ 3.06GHz	2127	1558	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2282	1495	57.07	\$39.99
Intel Core2 Duo E8600 @ 3.33GHz	2409	1444	48.20	\$49.99
Intel Core2 Duo E8700 @ 3.50GHz	2212	1522	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2263	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2302	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	827	2235	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2224	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	964	2157	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2148	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2056	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1067	2091	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1318	1944	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1291	1960	64.60	\$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1298	1954	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1415	1894	35.40	\$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2172	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1517	1855	6.60	\$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1437	1884	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2117	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1456	1878	4.90	\$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	1841	31.23	\$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1802	42.76	\$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1741	1731	30.56	\$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	1833	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1752	1724	1.75	\$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1738	1734	17.56	\$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1871	1673	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2012	1603	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2344	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1269	1979	5.02	\$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1678	1771	5.91	\$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	932	2179	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	830	2231	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	835	2230	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2242	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	935	2178	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	912	2196	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	909	2198	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	925	2185	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1046	2102	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1028	2110	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	993	2138	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T5750 @ 2.00GHz	1092	2076	109.33	\$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1108	2066	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1195	2017	75.16	\$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1145	2050	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T5900 @ 2.20GHz	1207	2011	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1225	2002	81.78	\$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1287	1964	85.87	\$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1256	1984	32.65	\$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1361	1920	72.02	\$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1365	1918	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1017	2119	46.25	\$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1165	2036	11.66	\$99.95
Intel Core2 Duo T7250 @ 2.00GHz	1113	2059	5.53	\$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1192	2019	38.48	\$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1247	1994	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1275	1973	29.66	\$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1381	1911	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1420	1892	23.70	\$59.95*
Intel Core2 Duo T7800 @ 2.60GHz	1604	1814	2.64	\$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1295	1957	1.30	\$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1473	1871	13.53	\$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1671	1775	28.83	\$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1738	1733	24.86	\$69.95*
Intel Core2 Duo T9500 @ 2.60GHz	1796	1707	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1801	1706	6.03	\$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1925	1642	21.41	\$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2012	1604	4.75	\$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2130	1553	5.34	\$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	870	2210	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	582	2350	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	664	2308	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2294	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	859	2214	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1133	2054	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1766	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1056	3.25	\$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3633	1058	2.43	\$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3460	1103	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1871	1674	7.10	\$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1705	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	1938	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1681	1769	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1903	1655	4.64	\$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2061	1584	2.42	\$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4156	944	4.83	\$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	875	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4611	853	2.87	\$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	843	2.57	\$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2952	1255	73.86	\$39.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Quad Q6700 @ 2.66GHz	3286	1150	73.05	\$44.99
Intel Core2 Quad Q8200 @ 2.33GHz	2812	1305	122.33	\$22.99
Intel Core2 Quad Q8300 @ 2.50GHz	2983	1247	59.68	\$49.99
Intel Core2 Quad Q8400 @ 2.66GHz	3165	1185	13.19	\$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2523	1403	6.49	\$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1163	8.40	\$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3159	1193	63.21	\$49.99
Intel Core2 Quad Q9400 @ 2.66GHz	3342	1136	98.34	\$33.99
Intel Core2 Quad Q9450 @ 2.66GHz	3762	1026	11.23	\$335.00
Intel Core2 Quad Q9500 @ 2.83GHz	3539	1084	101.16	\$34.99
Intel Core2 Quad Q9505 @ 2.83GHz	3563	1077	18.76	\$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3970	980	89.24	\$44.49
Intel Core2 Quad Q9650 @ 3.00GHz	4169	941	68.15	\$61.19
Intel Core2 Quad Q9705 @ 3.16GHz	3947	985	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	350	2566	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2607	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2485	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Solo U3500 @ 1.40GHz	465	2434	NA	NA
Intel Core 330 @ 1.60GHz	643	2319	NA	NA
Intel Core 860 @ 2.80GHz	4555	862	14.74	\$309.00*
Intel Core Duo L2300 @ 1.50GHz	719	2283	NA	NA
Intel Core Duo L2400 @ 1.66GHz	711	2286	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2270	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2296	NA	NA
Intel Core Duo T2250 @ 1.73GHz	757	2266	NA	NA
Intel Core Duo T2300 @ 1.66GHz	728	2277	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2261	NA	NA
Intel Core Duo T2400 @ 1.83GHz	794	2250	49.65	\$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2236	NA	NA
Intel Core Duo T2500 @ 2.00GHz	868	2212	7.24	\$119.99*
Intel Core Duo T2600 @ 2.16GHz	942	2175	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2116	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2369	NA	NA
Intel Core Duo U2500 @ 1.20GHz	512	2391	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1639	NA	NA
Intel Core i3-330M @ 2.13GHz	1791	1711	36.88	\$48.56*
Intel Core i3-330UM @ 1.20GHz	1075	2090	NA	NA
Intel Core i3-350M @ 2.27GHz	1892	1664	48.54	\$39.00*
Intel Core i3-370M @ 2.40GHz	2016	1602	50.47	\$39.96*
Intel Core i3-380M @ 2.53GHz	2093	1572	9.97	\$209.95*
Intel Core i3-380UM @ 1.33GHz	1168	2034	NA	NA
Intel Core i3-390M @ 2.67GHz	2180	1536	55.99	\$38.95*
Intel Core i3-530 @ 2.93GHz	2566	1389	128.34	\$20.00
Intel Core i3-540 @ 3.07GHz	2688	1348	128.02	\$21.00
Intel Core i3-550 @ 3.20GHz	2829	1298	16.08	\$176.00
Intel Core i3-560 @ 3.33GHz	2937	1261	97.98	\$29.98
Intel Core i3-2100 @ 3.10GHz	3690	1049	61.52	\$59.99
Intel Core i3-2100T @ 2.50GHz	2941	1259	49.04	\$59.99
Intel Core i3-2102 @ 3.10GHz	3736	1035	64.41	\$58.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-2105 @ 3.10GHz	3706	1042	46.34	\$79.99
Intel Core i3-2120 @ 3.30GHz	3926	993	130.87	\$30.00
Intel Core i3-2120T @ 2.60GHz	3162	1187	19.77	\$160.00
Intel Core i3-2125 @ 3.30GHz	4028	965	20.24	\$199.00
Intel Core i3-2130 @ 3.40GHz	4064	958	58.08	\$69.99
Intel Core i3-2140 @ 3.50GHz	4325	914	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1294	12.62	\$225.00*
Intel Core i3-2310M @ 2.10GHz	2431	1434	62.66	\$38.81*
Intel Core i3-2312M @ 2.10GHz	2394	1450	NA	NA
Intel Core i3-2328M @ 2.20GHz	2532	1399	27.24	\$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1216	NA	NA
Intel Core i3-2330M @ 2.20GHz	2524	1402	14.83	\$170.20
Intel Core i3-2332M @ 2.20GHz	2382	1455	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1740	NA	NA
Intel Core i3-2348M @ 2.30GHz	2618	1368	NA	NA
Intel Core i3-2350M @ 2.30GHz	2620	1367	71.19	\$36.81
Intel Core i3-2357M @ 1.30GHz	1556	1835	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1767	NA	NA
Intel Core i3-2367M @ 1.40GHz	1705	1755	NA	NA
Intel Core i3-2370M @ 2.40GHz	2775	1318	69.72	\$39.81
Intel Core i3-2375M @ 1.50GHz	1780	1713	NA	NA
Intel Core i3-2377M @ 1.50GHz	1827	1696	NA	NA
Intel Core i3-3110M @ 2.40GHz	3076	1215	21.98	\$139.95*
Intel Core i3-3120M @ 2.50GHz	3219	1170	23.16	\$139.00
Intel Core i3-3130M @ 2.60GHz	3405	1114	NA	NA
Intel Core i3-3210 @ 3.20GHz	4033	964	40.33	\$99.99
Intel Core i3-3217U @ 1.80GHz	2303	1482	10.01	\$229.99
Intel Core i3-3217UE @ 1.60GHz	2162	1542	NA	NA
Intel Core i3-3220 @ 3.30GHz	4237	929	71.82	\$59.00
Intel Core i3-3220T @ 2.80GHz	3701	1044	37.02	\$99.99



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-3225 @ 3.30GHz	4339	908	43.40	\$99.99
Intel Core i3-3227U @ 1.90GHz	2470	1424	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1693	1764	NA	NA
Intel Core i3-3240 @ 3.40GHz	4310	917	63.40	\$67.99
Intel Core i3-3240T @ 2.90GHz	3686	1051	NA	NA
Intel Core i3-3245 @ 3.40GHz	4429	888	55.37	\$79.99
Intel Core i3-3250 @ 3.50GHz	4446	884	46.81	\$94.99
Intel Core i3-3250T @ 3.00GHz	3614	1060	NA	NA
Intel Core i3-4000M @ 2.40GHz	3246	1161	16.24	\$199.95*
Intel Core i3-4005U @ 1.70GHz	2444	1431	NA	NA
Intel Core i3-4010U @ 1.70GHz	2437	1433	22.15	\$110.00*
Intel Core i3-4010Y @ 1.30GHz	1900	1658	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2163	1541	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2213	1521	NA	NA
Intel Core i3-4025U @ 1.90GHz	2782	1315	NA	NA
Intel Core i3-4030U @ 1.90GHz	2708	1341	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1411	NA	NA
Intel Core i3-4100M @ 2.50GHz	3471	1099	15.88	\$218.57*
Intel Core i3-4110M @ 2.60GHz	3873	997	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-4110U @ 1.90GHz	2902	1278	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1225	NA	NA
Intel Core i3-4130 @ 3.40GHz	4796	822	34.26	\$139.99
Intel Core i3-4130T @ 2.90GHz	4142	947	46.55	\$88.99*
Intel Core i3-4150 @ 3.50GHz	4891	803	30.42	\$160.81
Intel Core i3-4150T @ 3.00GHz	4270	923	18.57	\$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1270	NA	NA
Intel Core i3-4160 @ 3.60GHz	5055	771	36.11	\$139.99
Intel Core i3-4160T @ 3.10GHz	4418	895	29.46	\$149.99
Intel Core i3-4170 @ 3.70GHz	5187	744	43.59	\$119.00
Intel Core i3-4170T @ 3.20GHz	4544	867	21.64	\$209.95*
Intel Core i3-4330 @ 3.50GHz	5097	758	28.32	\$179.99
Intel Core i3-4330T @ 3.00GHz	4486	880	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1174	NA	NA
Intel Core i3-4340 @ 3.60GHz	5240	738	30.83	\$169.99
Intel Core i3-4350 @ 3.60GHz	4963	791	29.20	\$169.99
Intel Core i3-4350T @ 3.10GHz	4302	918	NA	NA
Intel Core i3-4360 @ 3.70GHz	5464	704	19.52	\$279.95
Intel Core i3-4360T @ 3.20GHz	4636	845	NA	NA
Intel Core i3-4370 @ 3.80GHz	5602	686	13.50	\$415.00
Intel Core i3-4370T @ 3.30GHz	4890	804	35.44	\$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	798	NA	NA
Intel Core i3-5005U @ 2.00GHz	2904	1276	NA	NA
Intel Core i3-5010U @ 2.10GHz	3053	1222	10.05	\$303.93*
Intel Core i3-5015U @ 2.10GHz	3044	1228	NA	NA
Intel Core i3-5020U @ 2.20GHz	3184	1178	6.94	\$459.00*
Intel Core i3-5157U @ 2.50GHz	3663	1054	NA	NA
Intel Core i3-6006U @ 2.00GHz	3091	1209	NA	NA
Intel Core i3-6098P @ 3.60GHz	5417	713	40.51	\$133.74*
Intel Core i3-6100 @ 3.70GHz	5489	698	36.85	\$149.00
Intel Core i3-6100E @ 2.70GHz	3769	1024	NA	NA
Intel Core i3-6100H @ 2.70GHz	4246	928	NA	NA
Intel Core i3-6100T @ 3.20GHz	4861	811	25.59	\$189.99
Intel Core i3-6100TE @ 2.70GHz	4337	909	NA	NA
Intel Core i3-6100U @ 2.30GHz	3603	1064	7.00	\$515.00*
Intel Core i3-6157U @ 2.40GHz	3835	1007	NA	NA
Intel Core i3-6300 @ 3.80GHz	5852	657	32.43	\$180.46
Intel Core i3-6300T @ 3.30GHz	5249	736	29.16	\$179.99
Intel Core i3-6320 @ 3.90GHz	6047	638	37.80	\$159.99
Intel Core i3-7020U @ 2.30GHz	3523	1087	12.54	\$281.00*
Intel Core i3-7100 @ 3.90GHz	5781	662	45.82	\$126.18
Intel Core i3-7100H @ 3.00GHz	4696	836	20.87	\$225.00*
Intel Core i3-7100T @ 3.40GHz	5048	775	56.72	\$89.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-7100U @ 2.40GHz	3779	1022	11.18	\$337.98*
Intel Core i3-7101TE @ 3.40GHz	5016	780	42.88	\$117.00*
Intel Core i3-7130U @ 2.70GHz	4044	961	14.39	\$281.00*
Intel Core i3-7167U @ 2.80GHz	4757	827	NA	NA
Intel Core i3-7300 @ 4.00GHz	6441	597	35.43	\$181.82*
Intel Core i3-7300T @ 3.50GHz	5369	719	29.57	\$181.59*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-7320 @ 4.10GHz	6541	586	34.06	\$192.05*
Intel Core i3-7350K @ 4.20GHz	6622	582	25.48	\$259.95
Intel Core i3-8100 @ 3.60GHz	8065	440	67.78	\$118.99
Intel Core i3-8100T @ 3.10GHz	7499	496	53.95	\$139.00
Intel Core i3-8109U @ 3.00GHz	6164	624	NA	NA
Intel Core i3-8121U @ 2.20GHz	4738	829	NA	NA
Intel Core i3-8130U @ 2.20GHz	5066	768	18.03	\$281.00*
Intel Core i3-8145U @ 2.10GHz	5225	739	18.60	\$281.00*
Intel Core i3-8300 @ 3.70GHz	8695	398	46.68	\$186.27*
Intel Core i3-8300T @ 3.20GHz	7650	485	44.88	\$170.49*
Intel Core i3-8350K @ 4.00GHz	9251	349	48.51	\$190.73
Intel Core i5 750S @ 2.40GHz	2197	1532	21.97	\$99.99
Intel Core i5 E 520 @ 2.40GHz	2486	1419	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3600	1066	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3737	1034	NA	NA
Intel Core i5-430M @ 2.27GHz	2098	1571	15.00	\$139.95*
Intel Core i5-430UM @ 1.20GHz	1339	1933	NA	NA
Intel Core i5-450M @ 2.40GHz	2122	1560	66.43	\$31.95*
Intel Core i5-460M @ 2.53GHz	2326	1471	31.05	\$74.95*
Intel Core i5-470UM @ 1.33GHz	1081	2087	NA	NA
Intel Core i5-480M @ 2.67GHz	2404	1447	29.83	\$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1513	NA	NA
Intel Core i5-520M @ 2.40GHz	2370	1461	23.71	\$99.99
Intel Core i5-520UM @ 1.07GHz	1356	1926	NA	NA
Intel Core i5-540M @ 2.53GHz	2451	1429	12.91	\$189.95*
Intel Core i5-540UM @ 1.20GHz	1374	1915	NA	NA
Intel Core i5-560M @ 2.67GHz	2587	1379	31.56	\$81.97
Intel Core i5-560UM @ 1.33GHz	1664	1781	NA	NA
Intel Core i5-580M @ 2.67GHz	2604	1372	23.69	\$109.95*
Intel Core i5-650 @ 3.20GHz	3102	1207	36.26	\$85.55
Intel Core i5-655K @ 3.20GHz	3399	1118	56.67	\$59.99
Intel Core i5-660 @ 3.33GHz	3249	1158	66.32	\$49.00
Intel Core i5-661 @ 3.33GHz	3182	1179	31.82	\$99.99
Intel Core i5-670 @ 3.47GHz	3309	1142	36.77	\$89.99
Intel Core i5-680 @ 3.60GHz	3509	1089	38.99	\$89.99
Intel Core i5-750 @ 2.67GHz	3693	1048	17.65	\$209.29*
Intel Core i5-760 @ 2.80GHz	3889	994	43.22	\$89.99
Intel Core i5-2300 @ 2.80GHz	5350	723	66.89	\$79.99
Intel Core i5-2310 @ 2.90GHz	5540	693	69.28	\$79.98
Intel Core i5-2320 @ 3.00GHz	5762	666	22.17	\$259.95*
Intel Core i5-2380P @ 3.10GHz	5741	668	63.81	\$89.99
Intel Core i5-2390T @ 2.70GHz	4262	924	42.66	\$99.90*
Intel Core i5-2400 @ 3.10GHz	5962	643	79.51	\$74.99
Intel Core i5-2400S @ 2.50GHz	4964	790	75.56	\$65.70
Intel Core i5-2405S @ 2.50GHz	5082	762	30.92	\$164.40*
Intel Core i5-2410M @ 2.30GHz	3165	1186	43.96	\$72.00
Intel Core i5-2415M @ 2.30GHz	3299	1146	NA	NA
Intel Core i5-2430M @ 2.40GHz	3283	1151	39.03	\$84.11*
Intel Core i5-2435M @ 2.40GHz	3248	1159	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-2450M @ 2.50GHz	3399	1119	38.62	\$88.02*
Intel Core i5-2450P @ 3.20GHz	6132	627	68.14	\$89.99
Intel Core i5-2467M @ 1.60GHz	2327	1470	NA	NA
Intel Core i5-2500 @ 3.30GHz	6333	610	74.52	\$84.99
Intel Core i5-2500K @ 3.30GHz	6478	593	52.25	\$123.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-2500S @ 2.70GHz	5330	728	71.08	\$74.99*
Intel Core i5-2500T @ 2.30GHz	4622	850	NA	NA
Intel Core i5-2510E @ 2.50GHz	3676	1052	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1140	NA	NA
Intel Core i5-2520M @ 2.50GHz	3587	1070	21.15	\$169.60*
Intel Core i5-2537M @ 1.40GHz	2100	1570	NA	NA
Intel Core i5-2540M @ 2.60GHz	3781	1021	42.03	\$89.97
Intel Core i5-2550K @ 3.40GHz	6664	577	51.27	\$129.99
Intel Core i5-2557M @ 1.70GHz	2678	1350	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1029	NA	NA
Intel Core i5-3210M @ 2.50GHz	3825	1011	31.70	\$120.68*
Intel Core i5-3230M @ 2.60GHz	3938	988	15.78	\$249.65*
Intel Core i5-3317U @ 1.70GHz	3089	1210	13.73	\$225.00*
Intel Core i5-3320M @ 2.60GHz	4116	954	35.94	\$114.53
Intel Core i5-3330 @ 3.00GHz	5933	648	19.14	\$309.99
Intel Core i5-3330S @ 2.70GHz	5677	677	59.77	\$94.99
Intel Core i5-3335S @ 2.70GHz	5788	661	NA	NA
Intel Core i5-3337U @ 1.80GHz	3220	1168	14.31	\$225.00*
Intel Core i5-3339Y @ 1.50GHz	2204	1527	NA	NA
Intel Core i5-3340 @ 3.10GHz	6082	634	23.21	\$262.01
Intel Core i5-3340M @ 2.70GHz	4250	927	53.16	\$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	658	38.98	\$149.99
Intel Core i5-3350P @ 3.10GHz	6147	625	40.98	\$149.99
Intel Core i5-3360M @ 2.80GHz	4429	887	47.73	\$92.81*
Intel Core i5-3380M @ 2.90GHz	4421	890	NA	NA
Intel Core i5-3427U @ 1.80GHz	3552	1080	8.46	\$420.05*
Intel Core i5-3437U @ 1.90GHz	3634	1057	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1264	NA	NA
Intel Core i5-3450 @ 3.10GHz	6529	589	51.02	\$127.99
Intel Core i5-3450S @ 2.80GHz	6212	617	62.13	\$99.99
Intel Core i5-3470 @ 3.20GHz	6707	574	67.75	\$99.00
Intel Core i5-3470S @ 2.90GHz	6366	608	44.83	\$142.00
Intel Core i5-3470T @ 2.90GHz	4482	881	14.51	\$308.95*
Intel Core i5-3475S @ 2.90GHz	6613	583	46.08	\$143.50*
Intel Core i5-3550 @ 3.30GHz	6952	548	20.45	\$339.95
Intel Core i5-3550S @ 3.00GHz	6906	553	20.25	\$341.01*
Intel Core i5-3570 @ 3.40GHz	7115	533	55.16	\$129.00
Intel Core i5-3570K @ 3.40GHz	7173	530	51.61	\$139.00
Intel Core i5-3570S @ 3.10GHz	6755	567	23.70	\$285.00*
Intel Core i5-3570T @ 2.30GHz	5901	651	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3830	1008	NA	NA
Intel Core i5-4200H @ 2.80GHz	4438	885	NA	NA
Intel Core i5-4200M @ 2.50GHz	4034	963	22.41	\$179.99*
Intel Core i5-4200U @ 1.60GHz	3292	1147	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4200Y @ 1.40GHz	2407	1446	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2259	1508	NA	NA
Intel Core i5-4210H @ 2.90GHz	4538	870	NA	NA
Intel Core i5-4210M @ 2.60GHz	4195	935	13.54	\$309.95*
Intel Core i5-4210U @ 1.70GHz	3402	1116	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2378	1457	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2262	1505	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1277	NA	NA
Intel Core i5-4250U @ 1.30GHz	3451	1104	9.61	\$358.99*
Intel Core i5-4258U @ 2.40GHz	4080	956	NA	NA
Intel Core i5-4260U @ 1.40GHz	3565	1075	NA	NA
Intel Core i5-4278U @ 2.60GHz	4362	903	NA	NA
Intel Core i5-4288U @ 2.60GHz	4357	905	NA	NA
Intel Core i5-4300M @ 2.60GHz	4420	892	NA	NA
Intel Core i5-4300U @ 1.90GHz	3741	1033	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2491	1416	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1250	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	932	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4310M @ 2.70GHz	4626	849	NA	NA
Intel Core i5-4310U @ 2.00GHz	3752	1030	NA	NA
Intel Core i5-4330M @ 2.80GHz	4488	879	16.32	\$274.99*
Intel Core i5-4340M @ 2.90GHz	4810	817	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1062	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	865	17.10	\$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	986	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1307	10.55	\$266.00*
Intel Core i5-4430 @ 3.00GHz	6322	611	35.13	\$179.99
Intel Core i5-4430S @ 2.70GHz	5930	649	37.07	\$159.99
Intel Core i5-4440 @ 3.10GHz	6502	590	38.25	\$169.99
Intel Core i5-4440S @ 2.80GHz	6217	615	13.43	\$462.97*
Intel Core i5-4460 @ 3.20GHz	6711	573	45.05	\$149.00
Intel Core i5-4460S @ 2.90GHz	6408	603	9.71	\$659.99*
Intel Core i5-4460T @ 1.90GHz	4951	795	NA	NA
Intel Core i5-4570 @ 3.20GHz	7132	531	40.76	\$174.99
Intel Core i5-4570R @ 2.70GHz	6753	568	NA	NA
Intel Core i5-4570S @ 2.90GHz	6794	561	16.57	\$409.95
Intel Core i5-4570T @ 2.90GHz	4830	814	32.20	\$149.99
Intel Core i5-4570TE @ 2.70GHz	3827	1010	19.14	\$199.99
Intel Core i5-4590 @ 3.30GHz	7311	518	32.04	\$228.18
Intel Core i5-4590S @ 3.00GHz	7045	539	35.95	\$195.99
Intel Core i5-4590T @ 2.00GHz	5607	685	NA	NA
Intel Core i5-4670 @ 3.40GHz	7451	499	43.57	\$171.00
Intel Core i5-4670K @ 3.40GHz	7635	486	30.54	\$249.99
Intel Core i5-4670K CPT @ 3.40GHz	7411	507	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	506	26.88	\$276.00*
Intel Core i5-4670S @ 3.10GHz	7322	514	34.38	\$213.00*
Intel Core i5-4670T @ 2.30GHz	6174	622	28.99	\$213.00*
Intel Core i5-4690 @ 3.50GHz	7665	484	38.33	\$199.99
Intel Core i5-4690K @ 3.50GHz	7795	467	37.12	\$209.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4690S @ 3.20GHz	7433	502	27.38	\$271.51*
Intel Core i5-4690T @ 2.50GHz	6478	592	NA	NA
Intel Core i5-5200U @ 2.20GHz	3484	1097	NA	NA
Intel Core i5-5250U @ 1.60GHz	3585	1071	8.11	\$441.89*
Intel Core i5-5257U @ 2.70GHz	4401	896	NA	NA
Intel Core i5-5287U @ 2.90GHz	4688	837	NA	NA
Intel Core i5-5300U @ 2.30GHz	3811	1015	7.39	\$515.73*
Intel Core i5-5350U @ 1.80GHz	3446	1105	NA	NA
Intel Core i5-5575R @ 2.80GHz	7434	501	NA	NA
Intel Core i5-5675C @ 3.10GHz	8191	430	20.48	\$399.99
Intel Core i5-5675R @ 3.10GHz	8054	444	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4150	945	NA	NA
Intel Core i5-6200U @ 2.30GHz	4017	967	NA	NA
Intel Core i5-6260U @ 1.80GHz	4359	904	8.40	\$518.99*
Intel Core i5-6267U @ 2.90GHz	4958	794	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	828	15.63	\$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6087	633	NA	NA
Intel Core i5-6300U @ 2.40GHz	4374	901	NA	NA
Intel Core i5-6360U @ 2.00GHz	4880	806	NA	NA
Intel Core i5-6400 @ 2.70GHz	6761	565	30.74	\$219.99
Intel Core i5-6400T @ 2.20GHz	5608	684	21.58	\$259.95
Intel Core i5-6402P @ 2.80GHz	7115	534	37.45	\$189.99*
Intel Core i5-6440EQ @ 2.70GHz	5778	663	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6791	562	NA	NA
Intel Core i5-6500 @ 3.20GHz	7242	522	30.90	\$234.38
Intel Core i5-6500T @ 2.50GHz	6278	614	NA	NA
Intel Core i5-6500TE @ 2.30GHz	6539	587	31.14	\$209.99
Intel Core i5-6600 @ 3.30GHz	7769	469	31.20	\$249.00
Intel Core i5-6600K @ 3.50GHz	8059	442	29.31	\$275.00
Intel Core i5-6600T @ 2.70GHz	7326	513	41.87	\$174.99
Intel Core i5-7200U @ 2.50GHz	4613	852	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-7260U @ 2.20GHz	5681	675	NA	NA
Intel Core i5-7267U @ 3.10GHz	5098	757	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	681	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6805	560	NA	NA
Intel Core i5-7300U @ 2.60GHz	5192	743	11.29	\$459.99
Intel Core i5-7360U @ 2.30GHz	5957	644	NA	NA
Intel Core i5-7400 @ 3.00GHz	7336	512	35.45	\$206.95
Intel Core i5-7400T @ 2.40GHz	6431	599	32.32	\$199.00
Intel Core i5-7440HQ @ 2.80GHz	7696	478	NA	NA
Intel Core i5-7500 @ 3.40GHz	8023	446	37.01	\$216.81
Intel Core i5-7500T @ 2.70GHz	7031	542	29.76	\$236.25*
Intel Core i5-7600 @ 3.50GHz	8769	392	37.87	\$231.57
Intel Core i5-7600K @ 3.80GHz	9128	357	30.98	\$294.63
Intel Core i5-7600T @ 2.80GHz	8097	439	30.41	\$266.32*
Intel Core i5-7640X @ 4.00GHz	9520	319	31.24	\$304.81
Intel Core i5-8200Y @ 1.30GHz	3952	984	13.58	\$291.00*
Intel Core i5-8250U @ 1.60GHz	7684	480	NA	NA
Intel Core i5-8259U @ 2.30GHz	10959	230	16.13	\$679.63
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8265U @ 1.60GHz	8119	438	27.34	\$297.00*
Intel Core i5-8300H @ 2.30GHz	9455	329	37.82	\$250.00*
Intel Core i5-8305G @ 2.80GHz	8892	380	NA	NA
Intel Core i5-8350U @ 1.70GHz	8238	425	27.74	\$297.00*
Intel Core i5-8400 @ 2.80GHz	11634	211	59.97	\$193.99
Intel Core i5-8400H @ 2.50GHz	9767	304	39.07	\$250.00*
Intel Core i5-8400T @ 1.70GHz	9649	313	51.05	\$189.00
Intel Core i5-8500 @ 3.00GHz	11891	207	35.32	\$336.66
Intel Core i5-8500B @ 3.00GHz	12639	187	65.83	\$192.00*
Intel Core i5-8500T @ 2.10GHz	10028	278	45.93	\$218.34*
Intel Core i5-8600 @ 3.10GHz	12631	188	51.67	\$244.47*
Intel Core i5-8600K @ 3.60GHz	12763	182	45.13	\$282.81
Intel Core i5-8600T @ 2.30GHz	10913	232	29.18	\$373.99*
Intel Core i5-9600K @ 3.70GHz	13462	168	51.78	\$259.99
Intel Core i5-24050S @ 2.50GHz	4928	800	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3757	1028	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1623	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1393	NA	NA
Intel Core i7-620LM @ 2.00GHz	1955	1629	NA	NA
Intel Core i7-620M @ 2.67GHz	2722	1338	24.75	\$110.01
Intel Core i7-620UM @ 1.07GHz	1323	1941	NA	NA
Intel Core i7-640LM @ 2.13GHz	2261	1507	NA	NA
Intel Core i7-640M @ 2.80GHz	2831	1296	14.16	\$199.95*
Intel Core i7-640UM @ 1.20GHz	1658	1785	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1729	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1751	NA	NA
Intel Core i7-720QM @ 1.60GHz	3011	1235	27.39	\$109.95*
Intel Core i7-740QM @ 1.73GHz	3196	1176	29.08	\$109.95*
Intel Core i7-820QM @ 1.73GHz	3229	1165	23.24	\$139.00*
Intel Core i7-840QM @ 1.87GHz	3405	1115	11.74	\$289.97*
Intel Core i7-860 @ 2.80GHz	5007	784	17.27	\$289.95
Intel Core i7-860S @ 2.53GHz	4711	832	23.56	\$199.99
Intel Core i7-870 @ 2.93GHz	5338	727	56.19	\$95.00
Intel Core i7-870S @ 2.67GHz	4969	788	NA	NA
Intel Core i7-875K @ 2.93GHz	5430	709	11.20	\$485.01
Intel Core i7-880 @ 3.07GHz	5525	696	9.48	\$583.00*
Intel Core i7-920 @ 2.67GHz	4922	801	28.29	\$174.00
Intel Core i7-920XM @ 2.00GHz	3727	1036	11.07	\$336.77
Intel Core i7-930 @ 2.80GHz	5140	750	39.55	\$129.99
Intel Core i7-940 @ 2.93GHz	5350	724	51.45	\$103.99
Intel Core i7-940XM @ 2.13GHz	3937	989	NA	NA
Intel Core i7-950 @ 3.07GHz	5551	691	16.82	\$329.99
Intel Core i7-960 @ 3.20GHz	5813	660	58.14	\$99.99
Intel Core i7-965 @ 3.20GHz	5856	655	41.83	\$139.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-970 @ 3.20GHz	8373	416	55.83	\$149.98
Intel Core i7-975 @ 3.33GHz	6128	628	34.05	\$179.99
Intel Core i7-980 @ 3.33GHz	8664	402	43.33	\$199.98
Intel Core i7-980X @ 3.33GHz	8761	393	39.83	\$219.98
Intel Core i7-985 @ 3.47GHz	6641	579	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-990X @ 3.47GHz	9077	361	7.56	\$1,199.99
Intel Core i7-995X @ 3.60GHz	9791	299	NA	NA
Intel Core i7-2600 @ 3.40GHz	8191	429	48.19	\$169.99
Intel Core i7-2600K @ 3.40GHz	8435	413	42.80	\$197.10
Intel Core i7-2600S @ 2.80GHz	7077	537	35.39	\$199.99
Intel Core i7-2610UE @ 1.50GHz	2481	1421	NA	NA
Intel Core i7-2617M @ 1.50GHz	2818	1301	NA	NA
Intel Core i7-2620M @ 2.70GHz	3837	1005	22.60	\$169.81
Intel Core i7-2630QM @ 2.00GHz	5528	695	53.77	\$102.81
Intel Core i7-2630UM @ 1.60GHz	2584	1381	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5456	705	NA	NA
Intel Core i7-2637M @ 1.70GHz	2898	1281	NA	NA
Intel Core i7-2640M @ 2.80GHz	3932	990	21.15	\$185.97
Intel Core i7-2655LE @ 2.20GHz	3161	1191	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5885	652	22.72	\$259.00
Intel Core i7-2675QM @ 2.20GHz	5533	694	NA	NA
Intel Core i7-2677M @ 1.80GHz	2817	1302	NA	NA
Intel Core i7-2700K @ 3.50GHz	8706	394	44.65	\$195.00
Intel Core i7-2710QE @ 2.10GHz	5768	665	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	720	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6117	630	32.21	\$189.95*
Intel Core i7-2760QM @ 2.40GHz	6568	585	41.10	\$159.81*
Intel Core i7-2820QM @ 2.30GHz	6636	580	18.65	\$355.95*
Intel Core i7-2840QM @ 2.40GHz	6766	564	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6990	545	11.65	\$599.99*
Intel Core i7-2920XM @ 2.50GHz	7039	541	11.56	\$608.95*
Intel Core i7-2960XM @ 2.70GHz	7210	525	17.59	\$409.95*
Intel Core i7-3517U @ 1.90GHz	3589	1069	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3323	1138	NA	NA
Intel Core i7-3520M @ 2.90GHz	4546	866	19.34	\$235.00*
Intel Core i7-3537U @ 2.00GHz	3842	1003	NA	NA
Intel Core i7-3540M @ 3.00GHz	4654	841	10.83	\$429.95*
Intel Core i7-3555LE @ 2.50GHz	4130	950	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6451	596	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7463	498	18.66	\$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	572	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6819	559	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7340	511	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7384	509	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7583	490	31.73	\$239.00*
Intel Core i7-3632QM @ 2.20GHz	6939	550	20.72	\$335.00
Intel Core i7-3635QM @ 2.40GHz	6673	576	NA	NA
Intel Core i7-3667U @ 2.00GHz	3991	974	NA	NA
Intel Core i7-3687U @ 2.10GHz	4186	938	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1169	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8125	437	22.63	\$359.00*
Intel Core i7-3740QM @ 2.70GHz	8334	419	34.73	\$239.95*
Intel Core i7-3770 @ 3.40GHz	9286	346	51.88	\$178.99
Intel Core i7-3770K @ 3.50GHz	9514	320	36.59	\$259.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-3770S @ 3.10GHz	8890	381	44.45	\$199.99
Intel Core i7-3770T @ 2.50GHz	8204	428	24.86	\$329.99*
Intel Core i7-3820 @ 3.60GHz	8995	371	44.98	\$199.99
Intel Core i7-3820QM @ 2.70GHz	8441	412	17.33	\$486.99*
Intel Core i7-3840QM @ 2.80GHz	8790	390	26.24	\$335.00*
Intel Core i7-3920XM @ 2.90GHz	9152	353	8.35	\$1,096.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-3930K @ 3.20GHz	11985	204	30.04	\$398.98
Intel Core i7-3940XM @ 3.00GHz	9293	344	17.24	\$539.00*
Intel Core i7-3960X @ 3.30GHz	12608	190	15.76	\$799.99
Intel Core i7-3970X @ 3.50GHz	12672	185	13.93	\$909.99*
Intel Core i7-4500U @ 1.80GHz	3789	1019	NA	NA
Intel Core i7-4510U @ 2.00GHz	3927	992	NA	NA
Intel Core i7-4550U @ 1.50GHz	3713	1041	NA	NA
Intel Core i7-4558U @ 2.80GHz	4385	900	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	911	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	825	NA	NA
Intel Core i7-4600M @ 2.90GHz	4885	805	NA	NA
Intel Core i7-4600U @ 2.10GHz	4102	955	NA	NA
Intel Core i7-4610M @ 3.00GHz	4950	796	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1032	NA	NA
Intel Core i7-4650U @ 1.70GHz	3965	982	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7180	528	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7724	477	20.17	\$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7689	479	40.69	\$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7428	504	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7126	532	21.19	\$336.25*
Intel Core i7-4710HQ @ 2.50GHz	7731	475	NA	NA
Intel Core i7-4710MQ @ 2.50GHz	7999	450	29.45	\$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7508	494	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7205	526	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	8003	449	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8052	445	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8234	427	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8595	406	NA	NA
Intel Core i7-4765T @ 2.00GHz	7309	519	18.27	\$399.99
Intel Core i7-4770 @ 3.40GHz	9787	301	49.18	\$199.00
Intel Core i7-4770HQ @ 2.20GHz	8948	375	NA	NA
Intel Core i7-4770K @ 3.50GHz	10088	272	38.07	\$265.00
Intel Core i7-4770R @ 3.20GHz	9818	296	NA	NA
Intel Core i7-4770S @ 3.10GHz	9340	340	23.35	\$399.99
Intel Core i7-4770T @ 2.50GHz	8581	407	21.46	\$399.99
Intel Core i7-4770TE @ 2.30GHz	6732	571	NA	NA
Intel Core i7-4771 @ 3.50GHz	9871	292	32.91	\$299.99
Intel Core i7-4785T @ 2.20GHz	7609	489	NA	NA
Intel Core i7-4790 @ 3.60GHz	9989	285	35.80	\$278.99
Intel Core i7-4790K @ 4.00GHz	11176	218	36.41	\$306.99
Intel Core i7-4790S @ 3.20GHz	9576	317	23.94	\$399.98
Intel Core i7-4790T @ 2.70GHz	9094	360	25.33	\$359.00*
Intel Core i7-4800MQ @ 2.70GHz	8478	410	16.63	\$509.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4810MQ @ 2.80GHz	8653	403	20.36	\$424.95*
Intel Core i7-4820K @ 3.70GHz	9718	309	32.92	\$295.18
Intel Core i7-4850HQ @ 2.30GHz	9022	368	20.79	\$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7875	457	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9271	348	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9367	339	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	9032	366	15.40	\$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9398	337	20.43	\$459.95*
Intel Core i7-4930K @ 3.40GHz	13013	175	32.62	\$398.98
Intel Core i7-4930MX @ 3.00GHz	9493	322	8.66	\$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9905	288	13.95	\$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9807	298	15.74	\$623.00*
Intel Core i7-4960X @ 3.60GHz	13800	156	17.92	\$769.99
Intel Core i7-4980HQ @ 2.80GHz	10230	260	NA	NA
Intel Core i7-5500U @ 2.40GHz	3981	975	NA	NA
Intel Core i7-5550U @ 2.00GHz	4271	922	NA	NA
Intel Core i7-5557U @ 3.10GHz	4948	797	7.02	\$705.00*
Intel Core i7-5600U @ 2.60GHz	4315	916	NA	NA
Intel Core i7-5650U @ 2.20GHz	4224	931	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-5675C @ 3.10GHz	8164	431	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	424	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8367	418	NA	NA
Intel Core i7-5775C @ 3.30GHz	10984	229	24.41	\$449.99
Intel Core i7-5775R @ 3.30GHz	10857	234	NA	NA
Intel Core i7-5820K @ 3.30GHz	12986	176	43.29	\$299.99
Intel Core i7-5850EQ @ 2.70GHz	9817	297	22.57	\$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	327	21.80	\$434.00*
Intel Core i7-5930K @ 3.50GHz	13630	161	27.32	\$498.98
Intel Core i7-5950HQ @ 2.90GHz	10932	231	NA	NA
Intel Core i7-5960X @ 3.00GHz	15949	107	20.71	\$769.99
Intel Core i7-6498DU @ 2.50GHz	4538	871	NA	NA
Intel Core i7-6500U @ 2.50GHz	4428	889	NA	NA
Intel Core i7-6560U @ 2.20GHz	4821	815	NA	NA
Intel Core i7-6567U @ 3.30GHz	5656	682	NA	NA
Intel Core i7-6600U @ 2.60GHz	4806	819	NA	NA
Intel Core i7-6650U @ 2.20GHz	4959	793	NA	NA
Intel Core i7-6700 @ 3.40GHz	10005	284	29.02	\$344.81
Intel Core i7-6700HQ @ 2.60GHz	8131	435	21.51	\$378.00*
Intel Core i7-6700K @ 4.00GHz	11107	221	35.38	\$313.99
Intel Core i7-6700T @ 2.80GHz	9034	365	25.45	\$355.00*
Intel Core i7-6700TE @ 2.40GHz	8696	397	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9723	308	9.71	\$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13590	165	32.36	\$419.99
Intel Core i7-6820EQ @ 2.80GHz	8968	373	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9119	358	NA	NA
Intel Core i7-6820HQ @ 2.70GHz	8783	391	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6427	601	NA	NA
Intel Core i7-6850K @ 3.60GHz	14366	139	26.12	\$549.99
Intel Core i7-6900K @ 3.20GHz	17691	73	17.20	\$1,028.83
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-6920HQ @ 2.90GHz	9610	315	16.92	\$568.00*
Intel Core i7-6950X @ 3.00GHz	19955	45	14.27	\$1,398.00
Intel Core i7-7500U @ 2.70GHz	5163	748	NA	NA
Intel Core i7-7560U @ 2.40GHz	5871	653	NA	NA
Intel Core i7-7567U @ 3.50GHz	6496	591	NA	NA
Intel Core i7-7600U @ 2.80GHz	5070	765	NA	NA
Intel Core i7-7660U @ 2.50GHz	6048	637	NA	NA
Intel Core i7-7700 @ 3.60GHz	10738	239	33.56	\$319.99
Intel Core i7-7700HQ @ 2.80GHz	8826	389	NA	NA
Intel Core i7-7700K @ 4.20GHz	12039	202	28.03	\$429.49
Intel Core i7-7700T @ 2.90GHz	9245	350	26.12	\$354.00
Intel Core i7-7740X @ 4.30GHz	12268	195	20.45	\$599.99
Intel Core i7-7800X @ 3.50GHz	14582	135	39.41	\$369.99
Intel Core i7-7820HK @ 2.90GHz	10006	283	NA	NA
Intel Core i7-7820HQ @ 2.90GHz	9316	342	24.65	\$378.00*
Intel Core i7-7820X @ 3.60GHz	18538	65	29.32	\$632.30
Intel Core i7-7900X @ 3.30GHz	20153	43	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	10062	275	NA	NA
Intel Core i7-8086K @ 4.00GHz	16673	85	30.15	\$552.96*
Intel Core i7-8500Y @ 1.50GHz	3287	1149	8.37	\$393.00*
Intel Core i7-8550U @ 1.80GHz	8310	421	NA	NA
Intel Core i7-8559U @ 2.70GHz	12108	201	NA	NA
Intel Core i7-8565U @ 1.80GHz	9292	345	NA	NA
Intel Core i7-8650U @ 1.90GHz	8829	388	NA	NA
Intel Core i7-8700 @ 3.20GHz	15133	124	36.80	\$411.20
Intel Core i7-8700K @ 3.70GHz	15963	106	44.03	\$362.55
Intel Core i7-8700T @ 2.40GHz	12653	186	33.92	\$373.08
Intel Core i7-8705G @ 3.10GHz	10025	279	NA	NA
Intel Core i7-8706G @ 3.10GHz	10512	248	NA	NA
Intel Core i7-8709G @ 3.10GHz	9536	318	NA	NA
Intel Core i7-8750H @ 2.20GHz	12466	191	31.56	\$395.00*
Intel Core i7-8809G @ 3.10GHz	11024	227	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-8850H @ 2.60GHz	13144	173	33.28	\$395.00*
Intel Core i7-9700K @ 3.60GHz	17243	78	42.21	\$408.49
Intel Core i7-9800X @ 3.80GHz	19710	51	32.91	\$599.00
Intel Core i9-7900X @ 3.30GHz	21862	28	21.12	\$1,034.99
Intel Core i9-7920X @ 2.90GHz	23241	20	23.96	\$969.99
Intel Core i9-7940X @ 3.10GHz	25348	13	22.43	\$1,129.99
Intel Core i9-7960X @ 2.80GHz	25497	11	14.94	\$1,706.47
Intel Core i9-7980XE @ 2.60GHz	27890	6	13.88	\$2,008.71
Intel Core i9-8950HK @ 2.90GHz	14362	140	24.64	\$583.00*
Intel Core i9-9820X @ 3.30GHz	21966	26	24.96	\$879.99
Intel Core i9-9900K @ 3.60GHz	20169	42	38.06	\$529.99
Intel Core i9-9900X @ 3.50GHz	22399	23	21.60	\$1,037.16
Intel Core i9-9920X @ 3.50GHz	27102	8	22.60	\$1,199.00
Intel Core i9-9940X @ 3.30GHz	28673	4	20.50	\$1,399.00
Intel Core i9-9980XE @ 3.00GHz	30138	2	15.08	\$1,999.00
Intel Core m3-6Y30 @ 0.90GHz	3051	1224	10.86	\$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3560	1078	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core m3-7Y32 @ 1.10GHz	3052	1223	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3612	1061	12.85	\$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3372	1128	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3252	1156	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3487	1095	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2702	1343	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1454	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2815	1303	10.02	\$281.00*
Intel Core M-5Y31 @ 0.90GHz	2774	1319	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2477	1422	NA	NA
Intel Core M-5Y70 @ 1.10GHz	3016	1233	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2990	1244	10.64	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2519	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2512	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2429	NA	NA
Intel Core Solo U1300 @ 1.06GHz	271	2673	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2666	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2587	NA	NA
Intel E3000 @ 3.40GHz	2767	1321	NA	NA
Intel Pentium 4 1.40GHz	164	2773	NA	NA
Intel Pentium 4 1.50GHz	131	2790	NA	NA
Intel Pentium 4 1.60GHz	129	2792	NA	NA
Intel Pentium 4 1.70GHz	132	2789	NA	NA
Intel Pentium 4 1.80GHz	160	2776	NA	NA
Intel Pentium 4 1.90GHz	159	2777	NA	NA
Intel Pentium 4 2.00GHz	189	2755	NA	NA
Intel Pentium 4 2.20GHz	210	2736	NA	NA
Intel Pentium 4 2.26GHz	221	2725	NA	NA
Intel Pentium 4 2.40GHz	228	2718	NA	NA
Intel Pentium 4 2.50GHz	245	2703	NA	NA
Intel Pentium 4 2.53GHz	248	2699	NA	NA
Intel Pentium 4 2.60GHz	288	2645	NA	NA
Intel Pentium 4 2.66GHz	254	2691	NA	NA
Intel Pentium 4 2.80GHz	321	2593	NA	NA
Intel Pentium 4 2.93GHz	299	2627	NA	NA
Intel Pentium 4 3.00GHz	353	2564	NA	NA
Intel Pentium 4 3.06GHz	347	2568	NA	NA
Intel Pentium 4 3.20GHz	374	2535	NA	NA
Intel Pentium 4 3.40GHz	396	2514	NA	NA
Intel Pentium 4 3.46GHz	487	2409	NA	NA
Intel Pentium 4 3.60GHz	487	2410	NA	NA
Intel Pentium 4 3.73GHz	486	2413	NA	NA
Intel Pentium 4 3.80GHz	485	2415	NA	NA
Intel Pentium 4 3.83GHz	195	2750	NA	NA
Intel Pentium 4 4.00GHz	184	2760	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 4 1300MHz	119	2796	NA	NA
Intel Pentium 4 1400MHz	127	2793	NA	NA
Intel Pentium 4 1500MHz	125	2794	NA	NA
Intel Pentium 4 1600MHz	193	2754	0.30	\$647.45*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 4 1700MHz	154	2780	NA	NA
Intel Pentium 4 1800MHz	162	2775	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2783	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2749	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2766	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2738	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2769	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2737	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2745	NA	NA
Intel Pentium 5 2.66GHz	705	2290	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2073	8.18	\$134.00*
Intel Pentium 967 @ 1.30GHz	1160	2040	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2046	NA	NA
Intel Pentium 987 @ 1.50GHz	1228	2001	NA	NA
Intel Pentium 997 @ 1.60GHz	1395	1904	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1331	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1232	NA	NA
Intel Pentium 2020M @ 2.40GHz	2277	1498	17.00	\$134.00*
Intel Pentium 2030M @ 2.50GHz	2417	1440	18.04	\$134.00*
Intel Pentium 2117U @ 1.80GHz	1660	1784	12.39	\$134.00*
Intel Pentium 2127U @ 1.90GHz	1820	1701	13.58	\$134.00*
Intel Pentium 2129Y @ 1.10GHz	1057	2097	7.89	\$134.00*
Intel Pentium 3550M @ 2.30GHz	2307	1479	NA	NA
Intel Pentium 3556U @ 1.70GHz	1710	1749	NA	NA
Intel Pentium 3558U @ 1.70GHz	1681	1768	NA	NA
Intel Pentium 3560M @ 2.40GHz	2240	1515	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	1981	NA	NA
Intel Pentium 3805U @ 1.90GHz	1980	1618	NA	NA
Intel Pentium 3825U @ 1.90GHz	2521	1404	NA	NA
Intel Pentium 4405U @ 2.10GHz	2926	1266	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1585	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2047	1589	12.72	\$161.00*
Intel Pentium 4415U @ 2.30GHz	3158	1194	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2204	1526	13.69	\$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1812	NA	NA
Intel Pentium B940 @ 2.00GHz	1726	1739	57.66	\$29.94*
Intel Pentium B950 @ 2.10GHz	1713	1747	NA	NA
Intel Pentium B960 @ 2.20GHz	1853	1681	37.84	\$48.99*
Intel Pentium B970 @ 2.30GHz	1959	1628	38.44	\$50.99*
Intel Pentium B980 @ 2.40GHz	2035	1594	29.10	\$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1014	29.56	\$129.00*
Intel Pentium D 805 @ 2.66GHz	535	2377	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2320	NA	NA
Intel Pentium D 915 @ 2.80GHz	582	2348	NA	NA
Intel Pentium D 940 @ 3.20GHz	710	2288	NA	NA
Intel Pentium D 950 @ 3.40GHz	743	2273	NA	NA
Intel Pentium D 960 @ 3.60GHz	817	2239	NA	NA
Intel Pentium E2140 @ 1.60GHz	868	2211	5.50	\$157.95
Intel Pentium E2160 @ 1.80GHz	996	2133	76.93	\$12.95
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium E2180 @ 2.00GHz	1088	2078	54.45	\$19.99
Intel Pentium E2200 @ 2.20GHz	1204	2013	16.07	\$75.00
Intel Pentium E2210 @ 2.20GHz	1174	2028	NA	NA
Intel Pentium E2220 @ 2.40GHz	1332	1937	8.44	\$157.95
Intel Pentium E5200 @ 2.50GHz	1487	1866	16.54	\$89.95
Intel Pentium E5300 @ 2.60GHz	1538	1840	77.12	\$19.95
Intel Pentium E5400 @ 2.70GHz	1597	1820	79.93	\$19.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium E5500 @ 2.80GHz	1641	1794	82.12	\$19.99
Intel Pentium E5700 @ 3.00GHz	1737	1735	115.93	\$14.99
Intel Pentium E5800 @ 3.20GHz	1893	1663	63.15	\$29.99
Intel Pentium E6300 @ 2.80GHz	1709	1752	14.64	\$116.74
Intel Pentium E6500 @ 2.93GHz	1761	1718	7.83	\$225.00
Intel Pentium E6600 @ 3.06GHz	1865	1677	18.66	\$100.00*
Intel Pentium E6700 @ 3.20GHz	1941	1635	114.28	\$16.99
Intel Pentium E6800 @ 3.33GHz	1984	1616	39.70	\$49.99
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2195	1.20	\$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	969	2153	NA	NA
Intel Pentium G620 @ 2.60GHz	2293	1488	91.77	\$24.99
Intel Pentium G620T @ 2.20GHz	2028	1596	25.36	\$79.99*
Intel Pentium G630 @ 2.70GHz	2371	1459	94.90	\$24.99
Intel Pentium G630T @ 2.30GHz	2089	1573	26.12	\$79.99*
Intel Pentium G640 @ 2.80GHz	2530	1400	101.27	\$24.99
Intel Pentium G640T @ 2.40GHz	1952	1631	NA	NA
Intel Pentium G645 @ 2.90GHz	2587	1378	27.23	\$95.00*
Intel Pentium G645T @ 2.50GHz	2288	1489	NA	NA
Intel Pentium G840 @ 2.80GHz	2561	1390	73.22	\$34.99*
Intel Pentium G850 @ 2.90GHz	2663	1355	88.83	\$29.99
Intel Pentium G860 @ 3.00GHz	2741	1332	91.40	\$29.99
Intel Pentium G870 @ 3.10GHz	2829	1297	29.17	\$97.00*
Intel Pentium G2010 @ 2.80GHz	2592	1376	74.32	\$34.89
Intel Pentium G2020 @ 2.90GHz	2758	1327	95.53	\$28.88
Intel Pentium G2020T @ 2.50GHz	2466	1425	51.81	\$47.60*
Intel Pentium G2030 @ 3.00GHz	2871	1289	70.06	\$40.99
Intel Pentium G2030T @ 2.60GHz	2513	1409	39.27	\$64.00*
Intel Pentium G2100T @ 2.60GHz	2802	1309	NA	NA
Intel Pentium G2120 @ 3.10GHz	3081	1214	67.00	\$45.99
Intel Pentium G2130 @ 3.20GHz	3207	1173	64.15	\$49.99
Intel Pentium G2140 @ 3.30GHz	3384	1124	67.71	\$49.99
Intel Pentium G3220 @ 3.00GHz	3131	1199	26.11	\$119.95*
Intel Pentium G3220T @ 2.60GHz	2567	1388	36.69	\$69.99
Intel Pentium G3240 @ 3.10GHz	3161	1190	39.52	\$79.99
Intel Pentium G3240T @ 2.70GHz	2874	1288	NA	NA
Intel Pentium G3250 @ 3.20GHz	3251	1157	29.56	\$109.99
Intel Pentium G3250T @ 2.80GHz	2965	1252	32.95	\$89.99
Intel Pentium G3258 @ 3.20GHz	3884	996	20.63	\$188.28
Intel Pentium G3260 @ 3.30GHz	3366	1130	32.06	\$104.99
Intel Pentium G3260T @ 2.90GHz	2930	1263	32.56	\$89.99
Intel Pentium G3320TE @ 2.30GHz	2389	1452	NA	NA
Intel Pentium G3420 @ 3.20GHz	3398	1120	30.90	\$109.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G3420T @ 2.70GHz	3008	1236	18.80	\$159.99
Intel Pentium G3430 @ 3.30GHz	3395	1122	37.74	\$89.99
Intel Pentium G3440 @ 3.30GHz	3309	1144	20.69	\$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1208	NA	NA
Intel Pentium G3450 @ 3.40GHz	3700	1045	37.01	\$99.99
Intel Pentium G3450T @ 2.90GHz	2967	1251	NA	NA
Intel Pentium G3460 @ 3.50GHz	3593	1067	12.47	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3717	1038	35.65	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3554	1079	34.62	\$102.66
Intel Pentium G4400T @ 2.90GHz	3219	1171	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1286	45.09	\$64.00*
Intel Pentium G4500 @ 3.50GHz	3796	1017	39.19	\$96.86
Intel Pentium G4500T @ 3.00GHz	3471	1100	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	939	41.44	\$100.99
Intel Pentium G4560 @ 3.50GHz	4867	807	44.33	\$109.81*
Intel Pentium G4560T @ 2.90GHz	4047	960	36.79	\$109.99
Intel Pentium G4600 @ 3.60GHz	5088	759	48.18	\$105.61
Intel Pentium G4600T @ 3.00GHz	4272	920	24.10	\$177.28*
Intel Pentium G4620 @ 3.70GHz	5204	740	45.79	\$113.66*
Intel Pentium G6950 @ 2.80GHz	1859	1679	46.49	\$39.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G6951 @ 2.80GHz	2140	1548	22.77	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2083	1578	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5181	746	25.62	\$202.22
Intel Pentium Gold G5400T @ 3.10GHz	5048	774	78.89	\$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5241	737	47.52	\$110.29
Intel Pentium Gold G5500T @ 3.20GHz	4218	933	56.24	\$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5692	674	32.75	\$173.83
Intel Pentium III 933S @ 933MHz	238	2712	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2651	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2665	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2609	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2630	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2626	NA	NA
Intel Pentium III Mobile 750MHz	103	2799	NA	NA
Intel Pentium III Mobile 800MHz	182	2763	NA	NA
Intel Pentium III Mobile 866MHz	152	2781	NA	NA
Intel Pentium III Mobile 933MHz	218	2727	7.55	\$28.99*
Intel Pentium III Mobile 1000MHz	245	2702	NA	NA
Intel Pentium III Mobile 1066MHz	246	2701	NA	NA
Intel Pentium III Mobile 1133MHz	251	2695	NA	NA
Intel Pentium III Mobile 1200MHz	240	2709	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1690	NA	NA
Intel Pentium J2900 @ 2.41GHz	1963	1625	NA	NA
Intel Pentium J3710 @ 1.60GHz	1921	1645	NA	NA
Intel Pentium J4205 @ 1.50GHz	2300	1486	NA	NA
Intel Pentium M 1.10GHz	282	2656	NA	NA
Intel Pentium M 1.20GHz	298	2628	NA	NA
Intel Pentium M 1.30GHz	301	2620	NA	NA
Intel Pentium M 1.40GHz	345	2572	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium M 1.50GHz	366	2549	NA	NA
Intel Pentium M 1.60GHz	364	2554	NA	NA
Intel Pentium M 1.70GHz	406	2497	NA	NA
Intel Pentium M 1.73GHz	412	2487	NA	NA
Intel Pentium M 1.80GHz	409	2490	NA	NA
Intel Pentium M 1.86GHz	438	2465	NA	NA
Intel Pentium M 2.00GHz	462	2437	NA	NA
Intel Pentium M 2.10GHz	448	2452	NA	NA
Intel Pentium M 2.13GHz	505	2397	NA	NA
Intel Pentium M 2.26GHz	509	2395	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2420	NA	NA
Intel Pentium M 900MHz	217	2730	NA	NA
Intel Pentium M 1000MHz	233	2715	NA	NA
Intel Pentium M 1100MHz	259	2686	NA	NA
Intel Pentium M 1200MHz	237	2713	NA	NA
Intel Pentium M 1300MHz	303	2614	NA	NA
Intel Pentium M 1400MHz	321	2594	NA	NA
Intel Pentium M 1500MHz	354	2561	NA	NA
Intel Pentium M 1600MHz	332	2584	NA	NA
Intel Pentium M 1700MHz	376	2534	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	1852	NA	NA
Intel Pentium N3520 @ 2.16GHz	1806	1703	NA	NA
Intel Pentium N3530 @ 2.16GHz	1894	1662	NA	NA
Intel Pentium N3540 @ 2.16GHz	1930	1641	7.70	\$250.87*
Intel Pentium N3700 @ 1.60GHz	1833	1694	4.12	\$444.78*
Intel Pentium N3710 @ 1.60GHz	1860	1678	NA	NA
Intel Pentium N4200 @ 1.10GHz	2022	1600	9.04	\$223.66
Intel Pentium P6000 @ 1.87GHz	1245	1996	NA	NA
Intel Pentium P6100 @ 2.00GHz	1327	1940	110.60	\$12.00*
Intel Pentium P6200 @ 2.13GHz	1348	1930	29.99	\$44.95*
Intel Pentium P6300 @ 2.27GHz	1380	1912	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2904	1275	13.21	\$219.92*
Intel Pentium Silver N5000 @ 1.10GHz	2426	1436	15.07	\$161.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium SU2700 @ 1.30GHz	405	2498	NA	NA
Intel Pentium SU4100 @ 1.30GHz	858	2217	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2225	NA	NA
Intel Pentium T2060 @ 1.60GHz	662	2309	NA	NA
Intel Pentium T2080 @ 1.73GHz	704	2292	4.40	\$159.95*
Intel Pentium T2130 @ 1.86GHz	710	2287	NA	NA
Intel Pentium T2310 @ 1.46GHz	730	2276	NA	NA
Intel Pentium T2330 @ 1.60GHz	830	2232	NA	NA
Intel Pentium T2370 @ 1.73GHz	841	2227	24.04	\$35.00*
Intel Pentium T2390 @ 1.86GHz	945	2173	NA	NA
Intel Pentium T2410 @ 2.00GHz	978	2145	NA	NA
Intel Pentium T3200 @ 2.00GHz	1029	2109	85.81	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1112	2060	12.37	\$89.95*
Intel Pentium T4200 @ 2.00GHz	1149	2045	95.77	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1234	1997	NA	NA
Intel Pentium T4400 @ 2.20GHz	1283	1967	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium T4500 @ 2.30GHz	1335	1936	NA	NA
Intel Pentium U5400 @ 1.20GHz	812	2243	NA	NA
Intel Pentium U5600 @ 1.33GHz	943	2174	NA	NA
Intel T1200 @ 1.50GHz	435	2471	NA	NA
Intel T1400 @ 1.73GHz	929	2182	NA	NA
Intel T1500 @ 1.86GHz	953	2165	NA	NA
Intel T2050 @ 2.00GHz	959	2162	NA	NA
Intel Xeon 2.00GHz	233	2714	NA	NA
Intel XEON 2.20GHz	252	2693	NA	NA
Intel Xeon 2.40GHz	276	2668	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2470	NA	NA
Intel Xeon 2.80GHz	400	2509	NA	NA
Intel Xeon 3.00GHz	391	2522	NA	NA
Intel Xeon 3.06GHz	491	2405	NA	NA
Intel Xeon 3.20GHz	461	2440	NA	NA
Intel Xeon 3.40GHz	478	2423	NA	NA
Intel Xeon 3.60GHz	509	2394	0.60	\$851.00*
Intel Xeon 3.73GHz	1041	2104	NA	NA
Intel Xeon 3.80GHz	604	2339	0.71	\$851.00*
Intel Xeon 1500MHz	193	2753	NA	NA
Intel Xeon 3040 @ 1.86GHz	1284	1966	51.31	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1313	1945	8.32	\$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	1853	66.07	\$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	1849	72.77	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1776	1714	4.34	\$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1689	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	1831	NA	NA
Intel Xeon 5110 @ 1.60GHz	1079	2088	6.75	\$159.95*
Intel Xeon 5120 @ 1.86GHz	1248	1992	0.77	\$1,619.99
Intel Xeon 5130 @ 2.00GHz	1369	1917	43.53	\$31.46
Intel Xeon 5133 @ 2.20GHz	1598	1818	NA	NA
Intel Xeon 5140 @ 2.33GHz	1639	1795	34.89	\$46.99*
Intel Xeon 5148 @ 2.33GHz	1590	1824	121.17	\$13.13*
Intel Xeon 5150 @ 2.66GHz	1753	1723	16.86	\$103.99*
Intel Xeon 5160 @ 3.00GHz	1961	1626	153.03	\$12.82*
Intel Xeon @ 2.20GHz	1902	1656	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5664	679	22.66	\$250.00
Intel Xeon D-1518 @ 2.20GHz	5322	729	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	667	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	547	NA	NA
Intel Xeon D-1528 @ 1.90GHz	7946	453	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9730	307	27.96	\$348.00*
Intel Xeon D-1537 @ 1.70GHz	7731	474	13.54	\$571.00*
Intel Xeon D-1540 @ 2.00GHz	10573	246	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11069	225	NA	NA
Intel Xeon D-1559 @ 1.50GHz	8055	443	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon D-1567 @ 2.10GHz	14482	137	NA	NA
Intel Xeon D-1587 @ 1.70GHz	13950	151	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8140	434	38.22	\$213.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon D-2141I @ 2.20GHz	12836	179	23.13	\$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	154	24.41	\$566.00*
Intel Xeon D-2183IT @ 2.20GHz	18627	61	10.56	\$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6100	631	32.11	\$190.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6689	575	20.33	\$329.11
Intel Xeon E3-1220 v3 @ 3.10GHz	7107	535	29.07	\$244.50
Intel Xeon E3-1220 v5 @ 3.00GHz	7740	472	30.86	\$250.80
Intel Xeon E3-1220 v6 @ 3.00GHz	7843	462	36.48	\$214.99
Intel Xeon E3-1220L @ 2.20GHz	3563	1076	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	893	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2110	1566	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	5910	650	33.77	\$175.00*
Intel Xeon E3-1225 V2 @ 3.20GHz	6883	555	13.63	\$504.97
Intel Xeon E3-1225 v3 @ 3.20GHz	7213	524	15.74	\$458.34*
Intel Xeon E3-1225 v5 @ 3.30GHz	7824	464	27.92	\$280.28
Intel Xeon E3-1225 v6 @ 3.30GHz	8144	433	34.66	\$234.99
Intel Xeon E3-1226 v3 @ 3.30GHz	7538	492	13.39	\$563.00
Intel Xeon E3-1230 @ 3.20GHz	7850	460	43.37	\$181.00
Intel Xeon E3-1230 V2 @ 3.30GHz	8856	384	25.15	\$352.10
Intel Xeon E3-1230 v3 @ 3.30GHz	9313	343	35.59	\$261.66*
Intel Xeon E3-1230 v5 @ 3.40GHz	9779	302	23.74	\$411.99*
Intel Xeon E3-1230 v6 @ 3.50GHz	9686	311	37.26	\$259.99
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	523	25.12	\$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9628	314	16.61	\$579.72
Intel Xeon E3-1235 @ 3.20GHz	7680	481	31.48	\$244.00
Intel Xeon E3-1235L v5 @ 2.00GHz	6470	595	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7958	452	32.62	\$244.00
Intel Xeon E3-1240 V2 @ 3.40GHz	9139	355	16.93	\$539.95
Intel Xeon E3-1240 v3 @ 3.40GHz	9660	312	25.13	\$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10391	252	30.41	\$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10148	266	33.74	\$300.77
Intel Xeon E3-1240L v3 @ 2.00GHz	7513	493	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	468	28.03	\$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10015	281	12.92	\$775.00*
Intel Xeon E3-1245 @ 3.30GHz	7995	451	30.75	\$260.00
Intel Xeon E3-1245 V2 @ 3.40GHz	9128	356	15.02	\$607.59
Intel Xeon E3-1245 v3 @ 3.40GHz	9581	316	28.18	\$339.95*
Intel Xeon E3-1245 v5 @ 3.50GHz	10182	264	29.49	\$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10607	244	34.22	\$309.99
Intel Xeon E3-1246 v3 @ 3.50GHz	9853	293	24.09	\$409.00
Intel Xeon E3-1260L @ 2.40GHz	6534	588	76.32	\$85.62
Intel Xeon E3-1260L v5 @ 2.90GHz	10226	261	20.49	\$499.00*
Intel Xeon E3-1265L @ 2.40GHz	6038	639	6.58	\$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7739	473	54.35	\$142.42*
Intel Xeon E3-1265L v3 @ 2.50GHz	9210	351	12.97	\$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	363	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	461	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	399	23.06	\$377.00*
Intel Xeon E3-1270 @ 3.40GHz	8238	426	25.99	\$317.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1270 V2 @ 3.50GHz	9462	326	26.54	\$356.50
Intel Xeon E3-1270 v3 @ 3.50GHz	9899	290	26.76	\$369.99*
Intel Xeon E3-1270 v5 @ 3.60GHz	10334	257	27.63	\$373.99
Intel Xeon E3-1270 v6 @ 3.80GHz	11135	219	33.68	\$330.61
Intel Xeon E3-1271 v3 @ 3.60GHz	10089	271	11.36	\$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8328	420	27.40	\$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9447	333	23.93	\$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	9901	289	24.69	\$400.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1275 v5 @ 3.60GHz	10358	255	18.21	\$569.00
Intel Xeon E3-1275 v6 @ 3.80GHz	11110	220	30.19	\$367.97
Intel Xeon E3-1275L v3 @ 2.70GHz	8874	382	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10170	265	9.48	\$1,073.00
Intel Xeon E3-1280 @ 3.50GHz	8473	411	23.03	\$368.00
Intel Xeon E3-1280 V2 @ 3.60GHz	9448	331	11.00	\$859.00
Intel Xeon E3-1280 v3 @ 3.60GHz	9765	306	14.00	\$697.36*
Intel Xeon E3-1280 v5 @ 3.70GHz	10666	242	15.46	\$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11371	214	23.23	\$489.60
Intel Xeon E3-1281 v3 @ 3.70GHz	10349	256	11.79	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10359	254	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10641	243	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11955	206	26.57	\$450.00*
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	286	12.35	\$808.02
Intel Xeon E3-1285L v4 @ 3.40GHz	11048	226	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	291	11.80	\$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	321	12.27	\$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8699	396	9.83	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9709	310	10.97	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	607	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8920	378	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9843	294	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10093	270	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9319	341	NA	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10593	245	NA	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10451	250	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10765	236	NA	NA
Intel Xeon E3-1585 v5 @ 3.50GHz	10743	238	NA	NA
Intel Xeon E3-1585L v5 @ 3.00GHz	10689	241	24.02	\$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7312	517	NA	NA
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	503	NA	NA
Intel Xeon E5-1603 @ 2.80GHz	5556	689	21.16	\$262.59
Intel Xeon E5-1603 v3 @ 2.80GHz	6178	621	NA	NA
Intel Xeon E5-1603 v4 @ 2.80GHz	6432	598	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5857	654	266.39	\$21.99*
Intel Xeon E5-1607 v2 @ 3.00GHz	6206	618	19.83	\$313.00*
Intel Xeon E5-1607 v3 @ 3.10GHz	6947	549	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7249	521	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9050	364	27.43	\$329.93
Intel Xeon E5-1620 v2 @ 3.70GHz	9459	328	135.15	\$69.99
Intel Xeon E5-1620 v3 @ 3.50GHz	9765	305	61.04	\$159.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1620 v4 @ 3.50GHz	9922	287	32.43	\$305.95
Intel Xeon E5-1630 v3 @ 3.70GHz	10256	259	17.16	\$597.85*
Intel Xeon E5-1630 v4 @ 3.70GHz	10314	258	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11732	210	129.30	\$90.74
Intel Xeon E5-1650 v2 @ 3.50GHz	12722	183	109.45	\$116.24
Intel Xeon E5-1650 v3 @ 3.50GHz	13613	164	20.17	\$674.99
Intel Xeon E5-1650 v4 @ 3.60GHz	14237	144	22.60	\$629.99*
Intel Xeon E5-1660 @ 3.30GHz	12364	193	10.08	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13758	157	7.61	\$1,808.95*
Intel Xeon E5-1660 v3 @ 3.00GHz	14565	136	9.01	\$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16192	99	13.17	\$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16345	92	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16431	89	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17093	79	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	69	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1088	10.37	\$339.97
Intel Xeon E5-2403 v2 @ 1.80GHz	3418	1113	18.09	\$189.00
Intel Xeon E5-2407 @ 2.20GHz	4027	966	172.76	\$23.31*
Intel Xeon E5-2407 v2 @ 2.40GHz	4498	876	9.44	\$476.31*
Intel Xeon E5-2418L @ 2.00GHz	5202	742	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7045	540	18.06	\$390.02*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2420 v2 @ 2.20GHz	8632	404	41.30	\$209.00
Intel Xeon E5-2430 @ 2.20GHz	6878	556	9.42	\$729.95
Intel Xeon E5-2430 v2 @ 2.50GHz	8833	387	28.50	\$310.00
Intel Xeon E5-2430L @ 2.00GHz	7269	520	69.90	\$103.99*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	581	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9178	352	48.56	\$189.00
Intel Xeon E5-2440 v2 @ 1.90GHz	9425	334	18.48	\$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	374	6.29	\$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10186	263	27.61	\$369.00
Intel Xeon E5-2450L @ 1.80GHz	8261	423	63.55	\$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10061	276	31.77	\$316.72*
Intel Xeon E5-2470 v2 @ 2.40GHz	12836	180	5.70	\$2,250.00*
Intel Xeon E5-2603 @ 1.80GHz	3580	1073	16.61	\$215.55*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1025	122.76	\$30.68
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	747	25.90	\$199.99
Intel Xeon E5-2603 v4 @ 1.70GHz	5451	706	23.70	\$229.99*
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	459	17.82	\$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4616	851	42.35	\$109.00
Intel Xeon E5-2609 v2 @ 2.50GHz	5149	749	34.56	\$149.00
Intel Xeon E5-2609 v3 @ 1.90GHz	5940	646	9.60	\$619.04
Intel Xeon E5-2609 v4 @ 1.70GHz	6890	554	19.15	\$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	198	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14592	134	18.73	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7919	456	72.64	\$109.03
Intel Xeon E5-2620 v2 @ 2.10GHz	8705	395	201.14	\$43.28
Intel Xeon E5-2620 v3 @ 2.40GHz	10020	280	22.26	\$450.20
Intel Xeon E5-2620 v4 @ 2.10GHz	11364	215	28.77	\$395.00
Intel Xeon E5-2623 v3 @ 3.00GHz	8937	377	22.07	\$404.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2623 v4 @ 2.60GHz	8368	417	15.24	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	336	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	11965	205	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13268	171	9.73	\$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	228	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8867	383	75.12	\$118.05*
Intel Xeon E5-2630 v2 @ 2.60GHz	10382	253	157.49	\$65.92
Intel Xeon E5-2630 v3 @ 2.40GHz	12797	181	37.64	\$339.99
Intel Xeon E5-2630 v4 @ 2.20GHz	13884	153	21.04	\$659.99
Intel Xeon E5-2630L @ 2.00GHz	7865	458	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9006	370	NA	NA
Intel Xeon E5-2630L v3 @ 1.80GHz	9476	324	12.60	\$751.92*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	178	NA	NA
Intel Xeon E5-2637 v2 @ 3.50GHz	9447	332	15.54	\$607.99*
Intel Xeon E5-2637 v3 @ 3.50GHz	10144	267	7.83	\$1,295.95*
Intel Xeon E5-2637 v4 @ 3.50GHz	10468	249	9.75	\$1,073.78*
Intel Xeon E5-2640 @ 2.50GHz	9468	325	238.26	\$39.74
Intel Xeon E5-2640 v2 @ 2.00GHz	10009	282	51.18	\$195.58
Intel Xeon E5-2640 v3 @ 2.60GHz	13924	152	11.71	\$1,188.74
Intel Xeon E5-2640 v4 @ 2.40GHz	15329	120	16.36	\$937.00
Intel Xeon E5-2643 @ 3.30GHz	8426	414	3.79	\$2,226.00*
Intel Xeon E5-2643 v2 @ 3.50GHz	12957	177	73.74	\$175.71
Intel Xeon E5-2643 v3 @ 3.40GHz	13801	155	23.66	\$583.26
Intel Xeon E5-2643 v4 @ 3.40GHz	13618	163	8.24	\$1,653.04
Intel Xeon E5-2648L @ 1.80GHz	7426	505	NA	NA
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	213	7.32	\$1,556.67
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	160	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	131	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10129	268	93.79	\$108.00
Intel Xeon E5-2650 v2 @ 2.60GHz	13111	174	52.66	\$249.00
Intel Xeon E5-2650 v3 @ 2.30GHz	14850	129	7.39	\$2,009.92*
Intel Xeon E5-2650 v4 @ 2.20GHz	15976	105	12.49	\$1,279.07*
Intel Xeon E5-2650L @ 1.80GHz	8676	401	109.83	\$79.00
Intel Xeon E5-2650L v2 @ 1.70GHz	9777	303	51.62	\$189.41



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	167	9.66	\$1,399.00
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	147	9.42	\$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11275	217	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9484	323	6.49	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	14128	146	NA	NA
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	97	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	16754	84	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11098	223	108.81	\$102.00
Intel Xeon E5-2660 v2 @ 2.20GHz	13327	170	62.57	\$213.01*
Intel Xeon E5-2660 v3 @ 2.60GHz	16184	100	8.95	\$1,808.95*
Intel Xeon E5-2660 v4 @ 2.00GHz	17069	81	9.70	\$1,760.00*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	149	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11599	212	78.19	\$148.34*
Intel Xeon E5-2667 @ 2.90GHz	10400	251	46.02	\$226.00*
Intel Xeon E5-2667 v2 @ 3.30GHz	16240	98	21.27	\$763.56
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2667 v3 @ 3.20GHz	16119	102	7.13	\$2,259.95*
Intel Xeon E5-2667 v4 @ 3.20GHz	16447	88	7.42	\$2,217.16
Intel Xeon E5-2670 @ 2.60GHz	12134	199	122.58	\$98.99
Intel Xeon E5-2670 v2 @ 2.50GHz	14966	128	71.61	\$209.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16303	95	10.37	\$1,572.00*
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	93	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	17071	80	24.39	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21474	33	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15156	123	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	74	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	16905	83	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	14	9.35	\$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12621	189	112.85	\$111.84
Intel Xeon E5-2680 v2 @ 2.80GHz	15877	110	63.76	\$249.00
Intel Xeon E5-2680 v3 @ 2.50GHz	18585	62	18.42	\$1,009.00
Intel Xeon E5-2680 v4 @ 2.40GHz	19886	48	11.28	\$1,762.90*
Intel Xeon E5-2682 v4 @ 2.50GHz	21066	37	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17404	76	8.77	\$1,984.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	58	9.12	\$2,087.48*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	126	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	57	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	49	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14381	138	34.66	\$415.00
Intel Xeon E5-2687W v2 @ 3.40GHz	16484	87	7.83	\$2,105.59*
Intel Xeon E5-2687W v3 @ 3.10GHz	17720	72	5.89	\$3,008.95*
Intel Xeon E5-2687W v4 @ 3.00GHz	19925	47	8.64	\$2,307.31*
Intel Xeon E5-2689 @ 2.60GHz	13427	169	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19931	46	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13685	159	86.07	\$159.00
Intel Xeon E5-2690 v2 @ 3.00GHz	16404	90	50.35	\$325.81
Intel Xeon E5-2690 v3 @ 2.60GHz	19270	56	8.70	\$2,215.86*
Intel Xeon E5-2690 v4 @ 2.60GHz	21326	35	9.07	\$2,350.88*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	103	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	15792	112	8.87	\$1,779.95*
Intel Xeon E5-2695 v3 @ 2.30GHz	20081	44	9.99	\$2,009.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	41	7.87	\$2,573.17*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	86	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22526	22	9.02	\$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	20983	39	6.97	\$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17405	75	8.81	\$1,974.91
Intel Xeon E5-2697 v3 @ 2.60GHz	21365	34	29.07	\$735.00
Intel Xeon E5-2697 v4 @ 2.30GHz	21525	31	7.72	\$2,790.05*
Intel Xeon E5-2697A v4 @ 2.60GHz	21875	27	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21133	36	6.17	\$3,424.02*
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	29	6.77	\$3,226.00*
Intel Xeon E5-2699 v3 @ 2.30GHz	22375	24	4.97	\$4,505.95*
Intel Xeon E5-2699 v4 @ 2.20GHz	23200	21	5.16	\$4,492.32

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4603 @ 2.00GHz	5014	782	2.65	\$1,890.99*
Intel Xeon E5-4617 @ 2.90GHz	8684	400	96.60	\$89.90*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4620 @ 2.20GHz	8127	436	43.00	\$189.00*
Intel Xeon E5-4627 v3 @ 2.60GHz	14247	143	5.94	\$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	114	6.97	\$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10523	247	3.85	\$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	184	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	224	NA	NA
Intel Xeon E5-4650 @ 2.70GHz	11848	208	124.08	\$95.49*
Intel Xeon E5-4650L @ 2.60GHz	11821	209	1.36	\$8,684.50*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	194	2.66	\$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	109	5.30	\$3,000.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15556	113	3.24	\$4,800.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	162	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1202	1.75	\$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2165	1540	94.20	\$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1435	247.99	\$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1514	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	1901	148.77	\$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1437	NA	NA
Intel Xeon E5310 @ 1.60GHz	2264	1504	46.22	\$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1490	59.05	\$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1408	141.45	\$17.77*
Intel Xeon E5345 @ 2.33GHz	2923	1268	73.12	\$39.99*
Intel Xeon E5405 @ 2.00GHz	2850	1293	48.31	\$59.00*
Intel Xeon E5410 @ 2.33GHz	3268	1152	105.42	\$31.00*
Intel Xeon E5420 @ 2.50GHz	3499	1092	13.46	\$259.95*
Intel Xeon E5430 @ 2.66GHz	3773	1023	104.82	\$36.00*
Intel Xeon E5440 @ 2.83GHz	3975	978	33.15	\$119.95*
Intel Xeon E5450 @ 3.00GHz	4192	936	18.23	\$229.95*
Intel Xeon E5462 @ 2.80GHz	3885	995	142.34	\$27.30*
Intel Xeon E5472 @ 3.00GHz	4122	953	75.23	\$54.80*
Intel Xeon E5502 @ 1.87GHz	1378	1913	14.51	\$95.00*
Intel Xeon E5503 @ 2.00GHz	1396	1903	4.87	\$287.01*
Intel Xeon E5504 @ 2.00GHz	2694	1345	38.52	\$69.95*
Intel Xeon E5506 @ 2.13GHz	2977	1249	196.29	\$15.17*
Intel Xeon E5507 @ 2.27GHz	3137	1197	6.87	\$456.91*
Intel Xeon E5520 @ 2.27GHz	4435	886	147.90	\$29.99*
Intel Xeon E5530 @ 2.40GHz	4605	856	153.53	\$30.00*
Intel Xeon E5540 @ 2.53GHz	4758	826	80.66	\$59.00*
Intel Xeon E5603 @ 1.60GHz	2366	1464	18.34	\$129.04*
Intel Xeon E5606 @ 2.13GHz	3049	1227	13.92	\$219.00*
Intel Xeon E5607 @ 2.27GHz	3387	1123	15.47	\$219.00*
Intel Xeon E5620 @ 2.40GHz	4810	816	352.45	\$13.65
Intel Xeon E5630 @ 2.53GHz	5088	760	28.27	\$179.95
Intel Xeon E5640 @ 2.67GHz	5256	735	88.36	\$59.49*
Intel Xeon E5645 @ 2.40GHz	6477	594	27.00	\$239.95
Intel Xeon E5649 @ 2.53GHz	6936	551	60.31	\$115.00*
Intel Xeon E7320 @ 2.13GHz	2413	1441	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	463	40.54	\$193.00*
Intel Xeon E-2124G @ 3.40GHz	9840	295	46.20	\$213.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E-2136 @ 3.30GHz	15338	118	54.01	\$284.00*
Intel Xeon E-2146G @ 3.50GHz	16149	101	51.93	\$311.00*
Intel Xeon E-2174G @ 3.80GHz	12130	200	32.69	\$371.04
Intel Xeon E-2176G @ 3.70GHz	15335	119	42.36	\$362.00*
Intel Xeon E-2176M @ 2.70GHz	13978	150	31.06	\$450.00*
Intel Xeon E-2186G @ 3.80GHz	15406	115	34.24	\$450.00*
Intel Xeon E-2186M @ 2.90GHz	14634	133	23.49	\$623.00*
Intel Xeon Gold 5118 @ 2.30GHz	16389	91	11.95	\$1,371.05*
Intel Xeon Gold 5120 @ 2.20GHz	16308	94	10.45	\$1,561.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Gold 5120T @ 2.20GHz	18145	70	10.51	\$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	11104	222	8.57	\$1,294.99
Intel Xeon Gold 6126 @ 2.60GHz	19711	50	10.21	\$1,931.39*
Intel Xeon Gold 6128 @ 3.40GHz	15022	125	8.15	\$1,842.27*
Intel Xeon Gold 6130 @ 2.10GHz	19277	55	9.99	\$1,930.58
Intel Xeon Gold 6132 @ 2.60GHz	23907	19	10.88	\$2,198.00*
Intel Xeon Gold 6134 @ 3.20GHz	18083	71	7.94	\$2,279.00
Intel Xeon Gold 6136 @ 3.00GHz	21018	38	7.85	\$2,677.82*
Intel Xeon Gold 6138 @ 2.00GHz	25416	12	9.56	\$2,659.99
Intel Xeon Gold 6140 @ 2.30GHz	23964	18	9.25	\$2,589.99*
Intel Xeon Gold 6144 @ 3.50GHz	19654	52	6.72	\$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	15	6.87	\$3,658.34*
Intel Xeon Gold 6154 @ 3.00GHz	27722	7	7.22	\$3,839.78*
Intel Xeon L3110 @ 3.00GHz	2273	1501	NA	NA
Intel Xeon L3360 @ 2.83GHz	3864	999	43.31	\$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	1934	4.83	\$277.01*
Intel Xeon L3426 @ 1.87GHz	3837	1004	8.59	\$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1699	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1503	72.33	\$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1499	20.22	\$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1550	30.52	\$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1328	56.25	\$49.00*
Intel Xeon L5408 @ 2.13GHz	3037	1229	NA	NA
Intel Xeon L5410 @ 2.33GHz	3370	1129	33.67	\$100.08*
Intel Xeon L5420 @ 2.50GHz	3503	1091	127.42	\$27.50*
Intel Xeon L5430 @ 2.66GHz	3716	1039	23.53	\$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1040	16.59	\$224.00*
Intel Xeon L5520 @ 2.27GHz	4387	899	339.56	\$12.92*
Intel Xeon L5530 @ 2.40GHz	4351	906	311.73	\$13.96*
Intel Xeon L5630 @ 2.13GHz	4369	902	252.11	\$17.33*
Intel Xeon L5638 @ 2.00GHz	5556	690	79.49	\$69.90*
Intel Xeon L5639 @ 2.13GHz	6835	558	NA	NA
Intel Xeon L5640 @ 2.27GHz	6358	609	212.17	\$29.97*
Intel Xeon L7455 @ 2.13GHz	3836	1006	NA	NA
Intel Xeon MV 3.20GHz	683	2303	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26652	9	NA	NA
Intel Xeon Platinum 8167M @ 2.00GHz	3431	1109	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	31799	1	5.40	\$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	3	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	5	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Silver 4108 @ 1.80GHz	10883	233	23.79	\$457.51*
Intel Xeon Silver 4109T @ 2.00GHz	10854	235	21.67	\$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	12020	203	22.26	\$539.99
Intel Xeon Silver 4112 @ 2.60GHz	8607	405	16.55	\$519.96
Intel Xeon Silver 4114 @ 2.20GHz	14304	142	18.83	\$759.54
Intel Xeon Silver 4116 @ 2.10GHz	15320	121	13.67	\$1,121.16*
Intel Xeon Silver 4123 @ 3.00GHz	15185	122	NA	NA
Intel Xeon W3503 @ 2.40GHz	1754	1722	108.17	\$16.22*
Intel Xeon W3505 @ 2.53GHz	1854	1680	NA	NA
Intel Xeon W3520 @ 2.67GHz	5057	770	175.91	\$28.75*
Intel Xeon W3530 @ 2.80GHz	5359	721	18.23	\$293.95*
Intel Xeon W3540 @ 2.93GHz	5472	700	274.73	\$19.92*
Intel Xeon W3550 @ 3.07GHz	5696	673	95.02	\$59.95*
Intel Xeon W3565 @ 3.20GHz	5943	645	84.97	\$69.95*
Intel Xeon W3570 @ 3.20GHz	6076	635	12.66	\$479.95*
Intel Xeon W3580 @ 3.33GHz	6404	604	29.86	\$214.50*
Intel Xeon W3670 @ 3.20GHz	8150	432	16.30	\$499.99
Intel Xeon W3680 @ 3.33GHz	9070	362	11.94	\$759.95*
Intel Xeon W3690 @ 3.47GHz	9150	354	9.15	\$1,000.00*
Intel Xeon W5580 @ 3.20GHz	5836	659	54.53	\$107.03*
Intel Xeon W5590 @ 3.33GHz	6183	620	2.46	\$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	7030	543	20.80	\$337.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon W-2104 @ 3.20GHz	7439	500	29.17	\$255.00*
Intel Xeon W-2123 @ 3.60GHz	10732	240	21.77	\$492.99
Intel Xeon W-2125 @ 4.00GHz	12380	192	17.08	\$724.99*
Intel Xeon W-2133 @ 3.60GHz	14074	148	22.81	\$617.00*
Intel Xeon W-2135 @ 3.70GHz	16303	96	15.88	\$1,026.32*
Intel Xeon W-2140B @ 3.20GHz	18541	64	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19617	53	15.04	\$1,304.26*
Intel Xeon W-2150B @ 3.00GHz	21522	32	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21815	30	14.25	\$1,530.39*
Intel Xeon W-2195 @ 2.30GHz	24983	16	8.95	\$2,791.80
Intel Xeon X3210 @ 2.13GHz	2739	1333	14.75	\$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1211	14.71	\$209.95*
Intel Xeon X3230 @ 2.66GHz	3422	1111	9.51	\$359.95*
Intel Xeon X3320 @ 2.50GHz	3309	1143	14.42	\$229.50*
Intel Xeon X3323 @ 2.50GHz	3167	1183	163.59	\$19.36*
Intel Xeon X3330 @ 2.66GHz	3379	1126	16.09	\$210.00*
Intel Xeon X3350 @ 2.66GHz	3847	1002	64.14	\$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1001	52.43	\$73.50*
Intel Xeon X3360 @ 2.83GHz	3954	983	25.04	\$157.95*
Intel Xeon X3363 @ 2.83GHz	3994	972	117.18	\$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	919	11.70	\$367.02*
Intel Xeon X3380 @ 3.16GHz	4665	840	9.15	\$509.95*
Intel Xeon X3430 @ 2.40GHz	3357	1131	159.49	\$21.05*
Intel Xeon X3440 @ 2.53GHz	4538	869	20.17	\$225.00*
Intel Xeon X3450 @ 2.67GHz	4783	824	59.83	\$79.95*
Intel Xeon X3460 @ 2.80GHz	5117	753	14.33	\$357.00*
Intel Xeon X3470 @ 2.93GHz	5123	752	10.05	\$509.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X3480 @ 3.07GHz	5657	680	NA	NA
Intel Xeon X5260 @ 3.33GHz	2453	1427	17.62	\$139.24*
Intel Xeon X5270 @ 3.50GHz	2535	1398	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1451	17.10	\$140.00*
Intel Xeon X5355 @ 2.66GHz	3223	1166	78.63	\$41.00*
Intel Xeon X5365 @ 3.00GHz	3491	1093	35.09	\$99.50*
Intel Xeon X5450 @ 3.00GHz	4122	952	82.47	\$49.99
Intel Xeon X5460 @ 3.16GHz	4331	910	43.41	\$99.78*
Intel Xeon X5470 @ 3.33GHz	4603	857	24.36	\$189.00*
Intel Xeon X5472 @ 3.00GHz	4009	970	17.82	\$225.00*
Intel Xeon X5482 @ 3.20GHz	4537	872	45.38	\$99.99*
Intel Xeon X5492 @ 3.40GHz	4844	813	3.48	\$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5387	716	311.96	\$17.27*
Intel Xeon X5560 @ 2.80GHz	5399	715	93.17	\$57.95*
Intel Xeon X5570 @ 2.93GHz	5679	676	63.81	\$89.00*
Intel Xeon X5647 @ 2.93GHz	5980	641	29.94	\$199.75*
Intel Xeon X5650 @ 2.67GHz	7404	508	266.43	\$27.79
Intel Xeon X5660 @ 2.80GHz	7610	488	76.87	\$99.00
Intel Xeon X5667 @ 3.07GHz	6291	612	79.63	\$79.00*
Intel Xeon X5670 @ 2.93GHz	7920	455	132.04	\$59.99
Intel Xeon X5672 @ 3.20GHz	6419	602	22.63	\$283.72*
Intel Xeon X5675 @ 3.07GHz	8261	422	66.10	\$124.99
Intel Xeon X5677 @ 3.47GHz	6982	546	66.50	\$105.00*
Intel Xeon X5679 @ 3.20GHz	8845	386	NA	NA
Intel Xeon X5680 @ 3.33GHz	8544	408	76.29	\$112.00
Intel Xeon X5687 @ 3.60GHz	7081	536	129.97	\$54.49
Intel Xeon X5690 @ 3.47GHz	8894	379	59.70	\$149.00
Intel Xeon X5698 @ 4.40GHz	4272	921	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1248	NA	NA
Mobile AMD Athlon 4	314	2602	3.62	\$86.99*
Mobile AMD Athlon 4 2400+	358	2558	NA	NA
Mobile AMD Athlon 64 2700+	398	2510	NA	NA
Mobile AMD Athlon 64 2800+	440	2460	NA	NA
Mobile AMD Athlon 64 3000+	450	2449	NA	NA
Mobile AMD Athlon 64 3200+	448	2453	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile AMD Athlon 64 3400+	511	2393	NA	NA
Mobile AMD Athlon 64 3700+	435	2472	NA	NA
Mobile AMD Athlon 64 4000+	576	2353	NA	NA
Mobile AMD Athlon 1400+	266	2679	NA	NA
Mobile AMD Athlon 2500+	370	2543	NA	NA
Mobile AMD Athlon MP-M 1800+	265	2680	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2532	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2634	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2403	NA	NA
Mobile AMD Athlon XP	572	2358	45.81	\$12.49*
Mobile AMD Athlon XP-M	512	2392	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2761	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2683	NA	NA
Mobile AMD Athlon XP-M 1600+	257	2687	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 1700+	323	2591	NA	NA
Mobile AMD Athlon XP-M 1800+	297	2629	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2576	NA	NA
Mobile AMD Athlon XP-M 2000+	300	2622	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2553	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2571	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2569	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2542	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2551	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2550	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2463	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2411	NA	NA
Mobile AMD Athlon XP-M (LV)	508	2396	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2641	NA	NA
Mobile AMD Athlon XP-M (LV) 1600+	296	2633	NA	NA
Mobile AMD Athlon XP-M (LV) 2000+	335	2581	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2540	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2426	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2398	NA	NA
Mobile AMD Sempron 2100+	252	2694	NA	NA
Mobile AMD Sempron 2600+	394	2517	NA	NA
Mobile AMD Sempron 2800+	361	2556	NA	NA
Mobile AMD Sempron 3000+	389	2526	NA	NA
Mobile AMD Sempron 3100+	416	2484	NA	NA
Mobile AMD Sempron 3200+	354	2562	NA	NA
Mobile AMD Sempron 3300+	445	2456	NA	NA
Mobile AMD Sempron 3400+	440	2461	NA	NA
Mobile AMD Sempron 3500+	408	2495	NA	NA
Mobile AMD Sempron 3600+	427	2480	NA	NA
Mobile AMD Sempron 3800+	485	2416	NA	NA
Mobile Intel Celeron 1.20GHz	170	2772	NA	NA
Mobile Intel Celeron 1.50GHz	188	2756	NA	NA
Mobile Intel Celeron 1.60GHz	188	2757	NA	NA
Mobile Intel Celeron 1.70GHz	181	2765	NA	NA
Mobile Intel Celeron 1.80GHz	186	2759	NA	NA
Mobile Intel Celeron 2.00GHz	204	2741	NA	NA
Mobile Intel Celeron 2.20GHz	226	2721	NA	NA
Mobile Intel Celeron 2.40GHz	239	2710	NA	NA
Mobile Intel Celeron 2.50GHz	281	2659	NA	NA
Mobile Intel Celeron 1200MHz	294	2635	NA	NA
Mobile Intel Celeron 1333MHz	280	2662	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2667	6.38	\$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2682	NA	NA
Mobile Intel Pentium 4 2.66GHz	279	2664	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2600	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2579	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2559	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2464	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile Intel Pentium 4 3.46GHz	478	2424	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile Intel Pentium 4 - M 1.60GHz	195	2751	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2771	0.55	\$316.95
Mobile Intel Pentium 4 - M 1.80GHz	175	2768	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2716	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2746	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2748	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2732	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2689	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2604	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2735	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2747	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2698	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2639	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2722	NA	NA
Mobile Intel Pentium III - M 1333MHz	289	2640	NA	NA
Pentium Dual-Core E6000 @ 3.46GHz	2501	1414	NA	NA
Quad-Core AMD Opteron 1385	3442	1107	63.75	\$54.00*
Quad-Core AMD Opteron 1389	3427	1110	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1267	NA	NA
VIA C3 Ezra	100	2800	NA	NA
VIA C7 1500MHz	284	2652	NA	NA
VIA C7-D 1500MHz	287	2647	NA	NA
VIA C7-D 1800MHz	203	2743	NA	NA
VIA C7-D 2000MHz	368	2546	NA	NA
VIA C7-M 1000MHz	164	2774	NA	NA
VIA C7-M 1200MHz	140	2787	NA	NA
VIA C7-M 1600MHz	178	2767	NA	NA
VIA C7-M 6300MHz	222	2724	NA	NA
VIA Eden 800MHz	155	2778	NA	NA
VIA Eden 1000MHz	123	2795	NA	NA
VIA Eden 1200MHz	142	2786	NA	NA
VIA Eden C1050@1.06GHz	352	2565	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	480	2422	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1147	2047	NA	NA
VIA Esther 1000MHz	146	2785	NA	NA
VIA Esther 1300MHz	250	2696	NA	NA
VIA Esther 1500MHz	219	2726	NA	NA
VIA Esther 2000MHz	394	2516	NA	NA
VIA Nano L1900@1400MHz	457	2443	NA	NA
VIA Nano L2007@1600MHz	369	2544	NA	NA
VIA Nano L2100@1800MHz	428	2478	NA	NA
VIA Nano L2207@1600MHz	296	2632	NA	NA
VIA Nano L3025@1600MHz	517	2387	NA	NA
VIA Nano L3050@1800MHz	581	2351	NA	NA
VIA Nano L3600@2000MHz	645	2317	NA	NA
VIA Nano U2250 (1.6GHz Capable)	377	2533	NA	NA
VIA Nano U2250@1300+MHz	274	2671	NA	NA
VIA Nano U2500@1200MHz	306	2613	NA	NA
VIA Nano U3100 (1.6GHz Capable)	501	2400	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
VIA Nano U3300@1200MHz	409	2489	NA	NA
VIA Nano U3500@1000MHz	275	2669	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2337	NA	NA
VIA Nehemiah	155	2779	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1660	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	1919	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2029	NA	NA
VIA Samuel 2	79	2802	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	283	3.61	\$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	117	100.33	\$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	386	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	392	2.95	\$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	438	NA	NA
[Dual CPU] AMD EPYC 7281	12720	168	9.22	\$1,379.74
[Dual CPU] AMD EPYC 7401	23518	61	5.85	\$4,021.40
[Dual CPU] AMD EPYC 7451	28957	27	4.34	\$6,673.26
[Dual CPU] AMD EPYC 7501	27504	38	3.12	\$8,812.46
[Dual CPU] AMD EPYC 7551	30966	20	4.19	\$7,390.38
[Dual CPU] AMD EPYC 7601	33545	14	3.68	\$9,115.24
[Dual CPU] AMD Opteron 246	1130	427	28.26	\$39.98
[Dual CPU] AMD Opteron 248	1053	428	4.79	\$219.90
[Dual CPU] AMD Opteron 250	1438	424	65.36	\$22.00*
[Dual CPU] AMD Opteron 252	1385	425	10.93	\$126.72*
[Dual CPU] AMD Opteron 254	816	433	NA	NA
[Dual CPU] AMD Opteron 256	1853	421	48.76	\$38.00*
[Dual CPU] AMD Opteron 265	2010	419	6.28	\$319.90*
[Dual CPU] AMD Opteron 270	2226	415	1.83	\$1,214.94*
[Dual CPU] AMD Opteron 275	2133	418	16.41	\$129.98
[Dual CPU] AMD Opteron 280	2452	410	1.54	\$1,593.34*
[Dual CPU] AMD Opteron 285	2772	401	NA	NA
[Dual CPU] AMD Opteron 290	2807	398	10.40	\$270.00*
[Dual CPU] AMD Opteron 885	2851	396	NA	NA
[Dual CPU] AMD Opteron 2212	2203	416	91.79	\$24.00*
[Dual CPU] AMD Opteron 2214	2344	411	40.41	\$58.00
[Dual CPU] AMD Opteron 2214 HE	2463	408	NA	NA
[Dual CPU] AMD Opteron 2216	2485	407	54.02	\$46.00
[Dual CPU] AMD Opteron 2216 HE	2593	404	NA	NA
[Dual CPU] AMD Opteron 2218	2719	402	41.93	\$64.84*
[Dual CPU] AMD Opteron 2218 HE	2514	405	NA	NA
[Dual CPU] AMD Opteron 2220	2853	395	0.97	\$2,950.32*
[Dual CPU] AMD Opteron 2220 SE	2882	394	57.64	\$50.00*
[Dual CPU] AMD Opteron 2222	2998	390	0.90	\$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	384	45.30	\$71.90*
[Dual CPU] AMD Opteron 2346 HE	4095	374	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	381	7.36	\$471.66*
[Dual CPU] AMD Opteron 2350	4078	375	7.55	\$539.98*
[Dual CPU] AMD Opteron 2354	4566	363	6.88	\$664.06*
[Dual CPU] AMD Opteron 2356	4441	366	148.53	\$29.90
[Dual CPU] AMD Opteron 2360 SE	5315	345	98.43	\$54.00
[Dual CPU] AMD Opteron 2373 EE	4164	371	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	359	12.63	\$379.98*
[Dual CPU] AMD Opteron 2376	5238	346	15.70	\$333.62*
[Dual CPU] AMD Opteron 2378	5318	344	14.85	\$358.00*
[Dual CPU] AMD Opteron 2380	5754	332	115.08	\$50.00*
[Dual CPU] AMD Opteron 2384	5914	328	3.52	\$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	318	NA	NA
[Dual CPU] AMD Opteron 2389	5677	333	48.11	\$118.00
[Dual CPU] AMD Opteron 2419	5191	348	216.47	\$23.98*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 2425 HE	6209	320	NA	NA
[Dual CPU] AMD Opteron 2427	5907	329	29.83	\$198.00
[Dual CPU] AMD Opteron 2431	6438	312	80.48	\$80.00
[Dual CPU] AMD Opteron 2435	7060	298	18.68	\$378.00
[Dual CPU] AMD Opteron 2439 SE	8071	268	44.84	\$179.98*
[Dual CPU] AMD Opteron 4122	4076	376	16.31	\$249.98*
[Dual CPU] AMD Opteron 4130	5651	335	9.15	\$617.90*
[Dual CPU] AMD Opteron 4170 HE	6344	315	53.76	\$118.00*
[Dual CPU] AMD Opteron 4180	6367	313	33.18	\$191.88
[Dual CPU] AMD Opteron 4184	7848	274	7.55	\$1,039.90*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 4226	8088	267	80.90	\$99.98
[Dual CPU] AMD Opteron 4228 HE	7986	270	NA	NA
[Dual CPU] AMD Opteron 4234	9361	237	20.35	\$459.98
[Dual CPU] AMD Opteron 4276 HE	9681	230	NA	NA
[Dual CPU] AMD Opteron 4280	4525	364	45.26	\$99.98
[Dual CPU] AMD Opteron 4284	8772	249	73.11	\$119.98
[Dual CPU] AMD Opteron 4334	9456	236	21.85	\$432.84*
[Dual CPU] AMD Opteron 4340	10419	209	21.71	\$479.98
[Dual CPU] AMD Opteron 4376 HE	10244	217	8.15	\$1,257.44*
[Dual CPU] AMD Opteron 4386	11360	194	40.57	\$279.98
[Dual CPU] AMD Opteron 6128	6881	303	163.91	\$41.98
[Dual CPU] AMD Opteron 6128 HE	5582	338	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	252	NA	NA
[Dual CPU] AMD Opteron 6134	7586	285	86.22	\$87.98
[Dual CPU] AMD Opteron 6136	7255	292	32.98	\$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	351	NA	NA
[Dual CPU] AMD Opteron 6168	7741	280	40.68	\$190.28*
[Dual CPU] AMD Opteron 6172	7621	284	38.49	\$198.00
[Dual CPU] AMD Opteron 6174	7853	273	39.66	\$198.00
[Dual CPU] AMD Opteron 6176 SE	8448	257	26.57	\$318.00
[Dual CPU] AMD Opteron 6180 SE	3114	387	NA	NA
[Dual CPU] AMD Opteron 6204	7134	295	50.96	\$139.98
[Dual CPU] AMD Opteron 6212	8955	243	149.30	\$59.98
[Dual CPU] AMD Opteron 6220	10740	204	89.51	\$119.98
[Dual CPU] AMD Opteron 6234	10079	221	72.00	\$139.98*
[Dual CPU] AMD Opteron 6238	10349	211	86.26	\$119.98
[Dual CPU] AMD Opteron 6272	10008	224	83.41	\$119.98
[Dual CPU] AMD Opteron 6274	10682	206	22.35	\$478.00
[Dual CPU] AMD Opteron 6275	10900	203	NA	NA
[Dual CPU] AMD Opteron 6276	10194	219	63.72	\$159.98
[Dual CPU] AMD Opteron 6284 SE	11985	182	17.12	\$699.98
[Dual CPU] AMD Opteron 6308	8351	259	8.24	\$1,013.68*
[Dual CPU] AMD Opteron 6320	10716	205	26.79	\$399.98
[Dual CPU] AMD Opteron 6328	11842	184	29.61	\$399.98
[Dual CPU] AMD Opteron 6344	11203	198	13.83	\$809.96
[Dual CPU] AMD Opteron 6348	11412	191	28.53	\$399.98
[Dual CPU] AMD Opteron 6376	10405	210	80.04	\$130.00
[Dual CPU] AMD Opteron 6378	2905	393	7.26	\$399.98
[Dual CPU] AMD Opteron 6380	14200	153	71.01	\$199.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6386 SE	11081	199	36.94	\$299.98
[Dual CPU] AMD Opteron 8218	2831	397	67.40	\$42.00
[Dual CPU] AMD Opteron 8220	2510	406	NA	NA
[Dual CPU] AMD Opteron 8222 SE	2793	400	0.45	\$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	385	73.25	\$44.00
[Dual CPU] AMD Opteron 8380	5643	336	13.70	\$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	347	NA	NA
[Dual CPU] AMD Opteron 8389	6517	309	41.25	\$158.00
[Dual CPU] AMD Opteron 8431	5813	330	207.76	\$27.98*
[Dual CPU] AMD Opteron 8435	6739	306	46.80	\$144.00
[Dual CPU] AMD Opteron 8439 SE	7691	282	51.27	\$150.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	426	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	413	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	380	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	272	2.19	\$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	447	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	445	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	540	441	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	532	443	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	448	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	449	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	446	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 2.40GHz	473	444	25.99	\$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	439	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	687	435	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	780	434	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	437	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	432	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	889	431	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	930	430	0.55	\$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1859	420	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	429	0.58	\$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2152	417	6.73	\$319.90*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2310	412	0.71	\$3,239.98
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2615	403	41.56	\$62.92
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	388	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2984	391	31.75	\$93.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	389	114.20	\$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3439	382	16.54	\$207.98*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3834	378	149.53	\$25.64*
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8987	241	17.97	\$500.00
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11245	197	16.06	\$699.98*
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	321	9.12	\$679.94
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	317	16.68	\$378.00
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7486	287	160.57	\$46.62*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	240	9.47	\$952.62*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11387	193	14.60	\$780.04*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11738	187	28.08	\$418.00
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	262	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 E5-2430 @ 2.20GHz	13637	158	9.34	\$1,459.90
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	155	22.20	\$620.00
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	11390	192	54.76	\$207.98*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	173	NA	NA
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	167	12.60	\$1,019.90*
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	13718	156	18.59	\$738.00
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	16556	128	18.86	\$878.00*
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11715	188	45.06	\$260.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	16613	127	26.23	\$633.44*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	111	4.13	\$4,500.00*
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	316	14.71	\$431.10*
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	308	106.26	\$61.36
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8385	258	20.96	\$399.98
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8846	247	19.23	\$459.98*
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8220	264	37.71	\$218.00
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	8871	246	29.77	\$298.00
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	9984	225	8.06	\$1,238.08
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10993	202	15.28	\$719.46*
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12338	174	56.58	\$218.06
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13397	164	154.77	\$86.56
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15268	141	16.96	\$900.40
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16496	129	20.88	\$790.00
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14238	151	17.58	\$809.98*
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12480	171	11.37	\$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	147	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13600	162	57.60	\$236.10*
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	15996	134	121.33	\$131.84
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18514	112	27.23	\$679.98
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18870	109	14.30	\$1,319.98
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11068	200	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13636	159	NA	NA
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	142	10.10	\$1,503.84*
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7416	290	4.19	\$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15943	135	13.11	\$1,215.98*
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16437	130	6.34	\$2,591.90*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16656	126	7.76	\$2,147.56*
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14651	146	184.34	\$79.48
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14568	148	37.24	\$391.16
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	20228	96	8.51	\$2,377.48
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	20765	92	11.08	\$1,874.00
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13644	157	3.06	\$4,452.00*
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	21069	87	59.95	\$351.42
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21083	86	18.07	\$1,166.52
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21552	79	6.52	\$3,306.08
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12250	177	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	11808	185	3.99	\$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	116	5.81	\$3,113.34
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	15001	143	69.45	\$216.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18989	108	38.13	\$498.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20362	95	5.07	\$4,019.84*
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20528	94	8.02	\$2,558.14*
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	14385	150	91.04	\$158.00
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14506	149	38.29	\$378.82
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	90	6.99	\$2,992.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13319	165	4.56	\$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	110	NA	NA
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	105	NA	NA
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16327	131	80.03	\$204.00
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	18158	115	42.62	\$426.02*
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22592	72	6.24	\$3,617.90*
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23128	68	6.57	\$3,520.00*
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23254	67	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	17346	119	58.47	\$296.68*
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	51	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	17003	122	37.62	\$452.00*
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22415	74	14.68	\$1,527.12
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	23109	69	5.11	\$4,519.90*
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	23927	58	5.40	\$4,434.32
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18196	114	91.91	\$197.98
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20936	89	50.09	\$418.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22371	76	7.12	\$3,144.00*
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	63	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	23266	66	16.62	\$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	29799	26	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19952	98	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	21498	81	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	25	5.54	\$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18209	113	81.41	\$223.68
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21414	82	43.00	\$498.00
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24795	53	12.29	\$2,018.00
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	23368	64	6.63	\$3,525.80*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	124	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21148	85	5.33	\$3,969.98*
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	50	5.99	\$4,174.96*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	77	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26790	41	NA	NA
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28784	29	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20971	88	25.27	\$830.00
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23312	65	5.54	\$4,211.18*
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24146	56	4.01	\$6,017.90*
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26677	42	5.78	\$4,614.62*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19917	100	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	26185	44	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19676	101	61.87	\$318.00
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23691	60	36.36	\$651.62
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25757	47	5.81	\$4,431.72*
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27561	36	5.86	\$4,701.76*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20811	91	5.85	\$3,559.90*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24852	52	6.18	\$4,019.98*
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	25618	48	4.98	\$5,146.34*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23914	59	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30313	23	6.07	\$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31434	18	5.22	\$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23443	62	5.94	\$3,949.82
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	28246	33	19.21	\$1,470.00
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30631	22	5.49	\$5,580.10*
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	28161	34	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	29958	24	4.37	\$6,848.04*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	16	5.00	\$6,452.00*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	57	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26333	43	2.92	\$9,011.90*
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	13	3.79	\$8,984.64
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	93	NA	NA
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	103	NA	NA
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	137	2.91	\$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	106	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	102	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	19127	107	100.15	\$190.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	144	1.94	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	10679	207	0.61	\$17,369.00*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	73	2.34	\$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	39	2.54	\$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	178	44.98	\$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	139	NA	NA
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	75	1.81	\$12,400.00*
[Dual CPU] Intel Xeon E7-2870 @ 2.40GHz	12016	181	1.42	\$8,454.00*
[Dual CPU] Intel Xeon E7-4870 @ 2.40GHz	16047	132	42.45	\$378.00
[Dual CPU] Intel Xeon E7-8837 @ 2.67GHz	10044	223	25.11	\$399.98*
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	414	120.97	\$18.84*
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	377	NA	NA
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3566	379	36.39	\$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4149	372	53.54	\$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	354	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4593	362	129.23	\$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5125	350	64.08	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5175	349	43.86	\$118.00*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6024	325	97.16	\$62.00*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6355	314	12.22	\$519.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6849	305	95.13	\$72.00*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7166	294	29.87	\$239.90*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7542	286	16.40	\$459.90*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7112	296	130.26	\$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7836	277	71.50	\$109.60*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2456	409	12.93	\$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2801	399	4.88	\$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4891	356	34.96	\$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	5008	353	165.06	\$30.34*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5434	341	5.95	\$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7425	289	123.79	\$59.98*
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7704	281	128.40	\$60.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7848	275	66.51	\$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	373	16.04	\$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5548	339	12.67	\$438.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5992	326	13.68	\$438.00*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	8066	269	295.46	\$27.30
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8325	260	23.13	\$359.90
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8790	248	73.88	\$118.98*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10320	214	21.50	\$479.90
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10310	215	44.83	\$230.00*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	340	87.81	\$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	343	29.87	\$179.98*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	21833	78	7.99	\$2,731.06*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	24299	55	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	84	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	21505	80	7.84	\$2,742.10*
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25997	46	8.33	\$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17491	118	6.75	\$2,589.98
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	27262	40	7.06	\$3,862.78*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22869	70	6.21	\$3,684.54*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	22620	71	5.86	\$3,861.16
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	37	6.26	\$4,396.00*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	25479	49	5.59	\$4,558.00
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	28778	30	5.37	\$5,355.64*
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	35	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	35063	11	6.59	\$5,319.98
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	33297	15	6.43	\$5,179.98*
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	28	4.70	\$6,137.98
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28770	31	4.92	\$5,850.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	28270	32	3.86	\$7,316.68*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	37650	4	6.41	\$5,870.00*
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	31175	19	NA	NA
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	35387	10	4.56	\$7,752.38*
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	36640	5	4.77	\$7,679.56*
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	365	71.16	\$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	369	30.62	\$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	357	49.91	\$98.00*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	337	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	322	30.58	\$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6468	311	117.60	\$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	324	19.22	\$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	355	11.00	\$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	302	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6944	301	268.73	\$25.84*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7939	271	284.35	\$27.92*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	7006	300	202.14	\$34.66*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8952	244	64.03	\$139.80*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9598	232	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9662	231	161.19	\$59.94*
[Dual CPU] Intel Xeon MP 2.50GHz	550	440	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	539	442	5.99	\$90.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	436	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	422	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36109	6	NA	NA
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	35823	8	2.32	\$15,408.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39104	3	3.32	\$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	35438	9	NA	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	7	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	34585	12	1.73	\$20,030.00*
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15702	138	17.16	\$915.02*
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	17003	123	15.74	\$1,079.98
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13615	161	13.09	\$1,039.92
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19464	104	12.81	\$1,519.08
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	19929	99	8.89	\$2,242.32*
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10110	220	47.23	\$214.06*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10348	212	2.06	\$5,017.90*
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	216	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	360	17.08	\$278.48*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	361	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	358	17.46	\$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5770	331	70.37	\$82.00*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6227	319	31.29	\$199.00*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7451	288	74.52	\$99.98
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7847	276	39.32	\$199.56*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8156	266	21.58	\$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7780	278	17.29	\$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8197	265	40.99	\$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8688	251	3.12	\$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8971	242	259.73	\$34.54*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	9084	238	78.38	\$115.90*
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9533	235	53.56	\$178.00*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9844	227	24.64	\$399.50*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11341	195	204.05	\$55.58
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11667	189	58.92	\$198.00
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10334	213	65.41	\$158.00*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12277	176	102.33	\$119.98
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10075	222	17.76	\$567.44*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12593	170	50.38	\$249.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11302	196	53.82	\$210.00*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13618	160	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13595	163	60.69	\$224.00
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11984	183	109.97	\$108.98
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13798	154	46.30	\$298.00
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	256	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	307	91.61	\$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	250	6.15	\$1,417.90*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	226	18.07	\$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11794	186	268.05	\$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	370	59.59	\$70.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	352	11.46	\$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	368	9.75	\$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	367	199.09	\$21.98*
[Dual CPU] Quad-Core AMD Opteron 8378	5382	342	30.51	\$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	304	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	334	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	327	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	261	NA	NA
[Quad CPU] AMD Opteron 6136	9767	228	22.20	\$440.00*
[Quad CPU] AMD Opteron 6174	8594	254	21.70	\$396.00
[Quad CPU] AMD Opteron 6272	12292	175	51.23	\$239.96
[Quad CPU] AMD Opteron 6274	10488	208	10.97	\$956.00
[Quad CPU] AMD Opteron 6276	15342	140	47.95	\$319.96
[Quad CPU] AMD Opteron 6278	12055	180	23.18	\$519.96
[Quad CPU] AMD Opteron 6282 SE	11044	201	21.24	\$519.96
[Quad CPU] AMD Opteron 6376	14681	145	56.47	\$260.00
[Quad CPU] AMD Opteron 6380	12442	172	31.11	\$399.96
[Quad CPU] AMD Opteron 8360 SE	6490	310	77.26	\$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	323	NA	NA
[Quad CPU] AMD Opteron 8382	8553	255	10.74	\$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	291	NA	NA
[Quad CPU] AMD Opteron 8431	8252	263	147.46	\$55.96*
[Quad CPU] AMD Opteron 8435	7099	297	24.65	\$288.00
[Quad CPU] AMD Opteron 8439 SE	8943	245	29.81	\$300.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	423	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	383	NA	NA
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	125	46.92	\$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	15924	136	21.06	\$756.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	54	NA	NA
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	21372	83	55.95	\$381.96*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	21	1.63	\$18,908.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	97	3.36	\$6,008.00*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	133	NA	NA
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	17	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	17269	121	107.96	\$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17337	120	131.38	\$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	14223	152	18.81	\$756.00
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	169	15.87	\$799.96*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	7021	299	20.65	\$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	279	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	218	28.32	\$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	233	40.56	\$236.00*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	239	14.31	\$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	45	5.05	\$5,179.96
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	2	2.63	\$15,504.76*
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	229	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz	44139	1	1.10	\$40,060.00*
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9542	234	66.28	\$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12068	179	4.26	\$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	253	6.36	\$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	190	10.45	\$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	13145	166	149.38	\$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	293	163.10	\$43.96*

\* - Last price seen from our affiliates.

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# Videocard Benchmarks

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Benchmarked



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## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific Video Card will take you to the chart it appears in and will highlight it for you.

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
128 DDR Radeon 9700 TX w/TV-Out	44	1407	NA	NA
128MB DDR Radeon 9800 Pro	66	1345	NA	NA
128MB RADEON X600 SE	49	1390	NA	NA
15DD	1579	332	NA	NA
256MB RADEON X600	67	1337	NA	NA
7900 MOD - Radeon HD 6520G	610	788	NA	NA
A6 Micro-6500T Quad-Core APU with RadeonR4	220	1082	NA	NA
ABIT Siluro T400	3	1605	NA	NA
ALL-IN-WONDER 9000	4	1577	NA	NA
ALL-IN-WONDER RADEON 8500DV	5	1571	NA	NA
All-in-Wonder X1900	127	1189	NA	NA
ALL-IN-WONDER X800 GT	84	1292	NA	NA
ASUS EAH4870x2	496	901	NA	NA
Barco MXRT 5400	1161	425	NA	NA
Barco MXRT 5450	992	498	NA	NA
Barco MXRT 7500	4319	137	NA	NA
Chell 1.7b for Intel 945G	9	1531	NA	NA
Chell 1.7b for Intel G33/G31	16	1511	NA	NA
Chell 1.7b for Intel GMA 3150	4	1585	NA	NA
Chell 1.7b for Mobile Intel 945	6	1545	NA	NA
Chell 1.8a for Mobile Intel 965	22	1489	NA	NA
Chell 1.8b for Intel 945G	1	1655	NA	NA
Chell 1.8b for Intel G33/G31	7	1541	NA	NA
Chell 1.8b for Mobile Intel 945	2	1646	NA	NA
Chell 1.8b for Mobile Intel 965	14	1515	NA	NA
Chipset Intel G41 Express	57	1371	NA	NA
DameWare Development Mirror Driver 64-bit	1653	318	NA	NA
Device	3545	163	NA	NA
EAH6450	264	1049	NA	NA
Embedded Radeon E9173	1996	274	NA	NA
Familia Intel G965 Express Chipset	20	1498	NA	NA
Famille de jeu de puces Express Intel 946GZ	7	1538	NA	NA
FireGL T2-128	30	1460	NA	NA
FireGL V3100	52	1377	NA	NA
FireGL V3200	84	1289	NA	NA
FireGL V3300	70	1328	NA	NA
FireGL V3350	66	1338	NA	NA
FireGL V3400	103	1241	NA	NA
FireGL V3600	179	1137	1.12	\$160.99*
FireGL V5100	92	1271	NA	NA
FireGL V5200	113	1215	NA	NA
FireGL V5600	341	993	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FireGL V7200	113	1213	NA	NA
FireGL V7300	128	1188	0.11	\$1,189.99*
FireGL V7350	122	1198	0.08	\$1,523.99*
FireGL V7600	615	782	NA	NA
FireGL V7700	660	738	3.77	\$174.99*
FireGL V8650	550	851	1.67	\$329.99*
FireGL X1	59	1363	NA	NA
FireMV 2200 PCIe	36	1435	0.40	\$89.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FireMV 2250	45	1400	0.43	\$105.99*
FireMV 2260	117	1206	1.12	\$104.99*
FireMV 2400 PCIe	13	1516	NA	NA
FirePro 2260	112	1219	NA	NA
FirePro 2270	226	1079	2.16	\$105.06*
FirePro 2450	51	1381	0.18	\$278.00*
FirePro 2460	215	1086	0.80	\$269.99*
FirePro 3D V3700	184	1131	2.17	\$84.99*
FirePro 3D V3750	343	991	6.75	\$50.88*
FirePro 3D V3800	475	912	3.17	\$149.99*
FirePro 3D V4800	1080	453	6.76	\$159.99*
FirePro 3D V5700	546	858	1.71	\$319.99*
FirePro 3D V5800	1465	347	3.96	\$369.99*
FirePro 3D V7750	540	869	1.54	\$350.00*
FirePro 3D V7800	1809	298	3.02	\$599.99*
FirePro 3D V8700	1198	413	5.99	\$199.99*
FirePro 3D V8750	1271	394	1.03	\$1,230.99*
FirePro 3D V8800	2473	227	5.82	\$424.99*
FirePro 3D V9800	2811	212	1.13	\$2,499.00*
FirePro M2000	615	783	NA	NA
FirePro M4000	1609	325	NA	NA
FirePro M4000 Mobility Pro	1690	313	NA	NA
FirePro M40003	1364	367	NA	NA
Firepro M4100	1059	463	NA	NA
FirePro M4150	1113	442	NA	NA
FirePro M4170	1086	450	NA	NA
FirePro M5100	2102	260	NA	NA
FirePro M5950	1314	380	NA	NA
FirePro M6000 Mobility Pro	1727	307	NA	NA
FirePro M6100	2976	202	NA	NA
FirePro M7740	661	734	NA	NA
FirePro S7000	4166	143	NA	NA
FirePro S9000	5022	107	NA	NA
FirePro V3900	870	565	6.70	\$129.99*
FirePro V4800	1204	410	NA	NA
FirePro V4900	1302	383	8.98	\$144.99*
FirePro V5700	464	923	NA	NA
FirePro V5900	1526	342	4.77	\$319.99*
FirePro V7000 Adapter	3161	187	NA	NA
FirePro V7900	2717	216	22.65	\$119.99*
FirePro V9800 Adapter	2741	214	NA	NA
FirePro W2100	900	550	7.90	\$113.99*
FirePro W4100	1597	329	9.98	\$159.99*
FirePro W4100 Adapter	1698	312	NA	NA
FirePro W4170M	1359	369	NA	NA
Firepro W4190M	1280	390	NA	NA
FirePro W4300	2894	205	12.06	\$239.99*
FirePro W5000	3080	193	7.10	\$434.00*
FirePro W5100	3007	200	10.77	\$279.13*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FirePro W5130M	1628	322	NA	NA
Firepro W5170M	2211	248	NA	NA
FirePro W600	1734	306	5.42	\$319.99



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FirePro W7000	4309	138	7.56	\$569.99*
FirePro W7000 Adapter	4084	146	NA	NA
FirePro W7100	5396	98	18.61	\$289.99
FirePro W7100 Adapter	5661	92	NA	NA
FirePro W7170M	4643	121	NA	NA
FirePro W8000	4522	123	4.31	\$1,048.99*
FirePro W8000 Adapter	4751	115	NA	NA
FirePro W8100	5987	82	5.71	\$1,049.00
FirePro W9000	5403	97	1.57	\$3,443.99*
FirePro W9100	7189	71	2.61	\$2,749.99*
FireStream 9250	1164	424	NA	NA
FireStream 9270	1341	374	NA	NA
GeForce 205	126	1192	NA	NA
GeForce 210	172	1141	4.93	\$34.99
GeForce 240M GT	319	1009	NA	NA
GeForce 256	5	1574	0.12	\$42.04*
GeForce 305M	190	1123	NA	NA
GeForce 310	203	1108	1.87	\$108.35*
GeForce 310M	210	1096	NA	NA
GeForce 315	249	1063	7.57	\$32.99*
GeForce 315M	208	1098	NA	NA
GeForce 320M	272	1041	NA	NA
GeForce 405	212	1091	8.63	\$24.64*
GeForce 410M	350	988	NA	NA
GeForce 505	191	1122	NA	NA
GeForce 510	310	1015	4.44	\$69.99*
GeForce 605	320	1005	3.27	\$97.99*
GeForce 6100	21	1496	NA	NA
GeForce 6100 nForce 400	25	1477	NA	NA
GeForce 6100 nForce 405	22	1493	NA	NA
GeForce 6100 nForce 420	25	1478	NA	NA
GeForce 6100 nForce 430	23	1488	NA	NA
GeForce 610M	404	959	NA	NA
GeForce 615	549	852	NA	NA
GeForce 6150	21	1494	0.15	\$149.99
GeForce 6150 LE	21	1497	NA	NA
GeForce 6150SE	24	1483	NA	NA
GeForce 6150SE nForce 430	22	1490	NA	NA
GeForce 6200	44	1406	1.11	\$39.99*
GeForce 6200 A-LE	32	1454	NA	NA
GeForce 6200 LE	26	1473	0.65	\$41.24*
GeForce 6200 TurboCache	39	1426	NA	NA
GeForce 6200SE TurboCache	29	1464	NA	NA
GeForce 6500	37	1431	NA	NA
GeForce 6600	62	1352	NA	NA
GeForce 6600 GT	102	1243	1.57	\$64.95*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 6600 LE	51	1380	NA	NA
GeForce 6610 XL	88	1285	NA	NA
GeForce 6700 XL	98	1253	NA	NA
GeForce 6800	112	1221	2.82	\$39.99*
GeForce 6800 GS	136	1178	NA	NA
GeForce 6800 GS/XT	102	1242	NA	NA
GeForce 6800 GT	142	1165	NA	NA
GeForce 6800 LE	109	1226	NA	NA
GeForce 6800 Ultra	138	1173	NA	NA
GeForce 6800 XT	101	1246	NA	NA
GeForce 7000M	13	1517	NA	NA
GeForce 7000M / nForce 610M	12	1518	NA	NA
GeForce 7025 / nForce 630a	25	1479	NA	NA
GeForce 7050 / nForce 610i	27	1466	NA	NA
GeForce 7050 / nForce 620i	31	1457	NA	NA
GeForce 7050 / nForce 630i	27	1471	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 7050 PV / nForce 630a	22	1492	NA	NA
GeForce 705M	454	927	NA	NA
GeForce 7100 / nForce 630i	31	1456	NA	NA
GeForce 7100 GS	43	1409	NA	NA
GeForce 710A	517	884	NA	NA
GeForce 710M	568	829	NA	NA
GeForce 7150 / nForce 630i	33	1451	NA	NA
GeForce 7150M / nForce 630M	18	1505	NA	NA
GeForce 7300 GS	66	1339	NA	NA
GeForce 7300 GT	108	1229	0.72	\$149.99*
GeForce 7300 LE	55	1374	1.72	\$32.00*
GeForce 7300 SE	39	1425	NA	NA
GeForce 7300 SE/7200 GS	41	1414	NA	NA
GeForce 730A	793	610	NA	NA
GeForce 7350 LE	74	1318	NA	NA
GeForce 7500 LE	69	1332	NA	NA
GeForce 7600 GS	134	1181	1.58	\$84.99*
GeForce 7600 GT	182	1132	2.15	\$84.95*
GeForce 7650 GS	134	1182	NA	NA
GeForce 7800 GS	177	1138	NA	NA
GeForce 7800 GT	195	1116	2.44	\$80.00*
GeForce 7800 GTX	223	1080	NA	NA
GeForce 7900 GS	218	1084	NA	NA
GeForce 7900 GT	258	1056	NA	NA
GeForce 7900 GT/GTO	246	1065	NA	NA
GeForce 7900 GTX	305	1019	NA	NA
GeForce 7950 GT	264	1050	2.30	\$114.95*
GeForce 7950 GX2	192	1120	3.50	\$54.99*
GeForce 800A	440	935	NA	NA
GeForce 800M	557	839	NA	NA
GeForce 8100 / nForce 720a	82	1298	NA	NA
GeForce 810A	638	757	NA	NA
GeForce 810M	483	906	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 8200	79	1310	NA	NA
GeForce 8200M G	56	1372	NA	NA
GeForce 820A	691	705	NA	NA
GeForce 820M	617	780	NA	NA
GeForce 825M	759	641	NA	NA
GeForce 8300	92	1275	4.06	\$22.68*
GeForce 8300 GS	66	1342	NA	NA
GeForce 830A	990	500	NA	NA
GeForce 830M	889	555	NA	NA
GeForce 8400	100	1247	1.45	\$69.78*
GeForce 8400 GS	113	1216	3.23	\$34.99
GeForce 8400 SE	68	1335	NA	NA
GeForce 8400M G	58	1364	NA	NA
GeForce 8400M GS	82	1300	5.48	\$14.99*
GeForce 8400M GT	98	1256	NA	NA
GeForce 840A	867	567	NA	NA
GeForce 840M	913	546	NA	NA
GeForce 845M	1121	437	NA	NA
GeForce 8500 GT	136	1177	NA	NA
GeForce 8600 GS	141	1167	NA	NA
GeForce 8600 GT	241	1066	NA	NA
GeForce 8600 GTS	285	1032	NA	NA
GeForce 8600M GS	123	1195	NA	NA
GeForce 8600M GT	168	1147	NA	NA
GeForce 8700M GT	208	1099	NA	NA
GeForce 8800 GS	545	861	NA	NA
GeForce 8800 GT	748	651	NA	NA
GeForce 8800 GTS	605	792	NA	NA
GeForce 8800 GTS 512	833	585	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 8800 GTX	763	639	NA	NA
GeForce 8800 Ultra	769	633	NA	NA
GeForce 8800M GTS	474	915	NA	NA
GeForce 8800M GTX	542	868	NA	NA
GeForce 9100	82	1299	NA	NA
GeForce 9100M G	74	1317	NA	NA
GeForce 910M	475	911	NA	NA
GeForce 9200	80	1309	NA	NA
GeForce 9200M GE	81	1305	NA	NA
GeForce 9200M GS	84	1290	NA	NA
GeForce 920A	919	542	NA	NA
GeForce 920M	732	665	NA	NA
GeForce 920MX	1066	458	NA	NA
GeForce 9300	126	1190	NA	NA
GeForce 9300 / nForce 730i	130	1186	NA	NA
GeForce 9300 GE	101	1245	4.42	\$22.99*
GeForce 9300 GS	91	1277	1.53	\$59.95*
GeForce 9300GE	97	1258	NA	NA
GeForce 9300M G	84	1291	NA	NA
GeForce 9300M GS	94	1264	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 930A	1208	409	NA	NA
GeForce 930M	942	530	NA	NA
GeForce 930MX	1202	412	NA	NA
GeForce 9400	140	1168	NA	NA
GeForce 9400 GT	187	1127	2.34	\$79.99*
GeForce 9400M	119	1200	NA	NA
GeForce 9400M G	124	1194	NA	NA
GeForce 940A	1031	478	NA	NA
GeForce 940M	987	503	NA	NA
GeForce 940MX	1341	373	NA	NA
GeForce 945M	1434	352	NA	NA
GeForce 9500 GS	278	1037	NA	NA
GeForce 9500 GT	273	1040	3.18	\$85.99*
GeForce 9500M	103	1238	NA	NA
GeForce 9500M G	166	1149	NA	NA
GeForce 9500M GS	180	1135	NA	NA
GeForce 9600 GS	445	932	NA	NA
GeForce 9600 GSO	517	883	10.35	\$49.99*
GeForce 9600 GSO 512	503	893	NA	NA
GeForce 9600 GT	730	667	18.26	\$39.99*
GeForce 9600M GS	231	1076	NA	NA
GeForce 9600M GT	260	1054	NA	NA
GeForce 9600M GT / GeForce GT 220M	293	1027	NA	NA
GeForce 9650M GS	270	1042	NA	NA
GeForce 9650M GT	253	1061	NA	NA
GeForce 9700M GT	319	1008	NA	NA
GeForce 9700M GTS	478	909	NA	NA
GeForce 9800 GT	708	691	6.81	\$103.99*
GeForce 9800 GTX	769	632	NA	NA
GeForce 9800 GTX+	897	551	NA	NA
GeForce 9800 GTX/9800 GTX+	878	562	9.77	\$89.99*
GeForce 9800 GX2	802	605	NA	NA
GeForce 9800 S	635	762	NA	NA
GeForce 9800M GS	547	857	NA	NA
GeForce 9800M GT	475	913	NA	NA
GeForce 9800M GTS	645	751	NA	NA
GeForce 9800M GTX	517	882	1.57	\$328.50*
GeForce 999 GTX	124	1193	NA	NA
GeForce FX 5200	7	1537	0.11	\$69.99*
GeForce FX 5200 Ultra	12	1521	NA	NA
GeForce FX 5200LE	7	1543	0.16	\$42.99*
GeForce FX 5200SE	11	1522	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce FX 5500	8	1534	0.22	\$36.99*
GeForce FX 5600	11	1523	NA	NA
GeForce FX 5600 Ultra	17	1509	NA	NA
GeForce FX 5600XT	9	1532	NA	NA
GeForce FX 5700	41	1415	NA	NA
GeForce FX 5700 Ultra	34	1445	NA	NA
GeForce FX 5700LE	24	1481	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce FX 5700VE	33	1450	NA	NA
GeForce FX 5900	34	1441	NA	NA
GeForce FX 5900 Ultra	41	1416	NA	NA
GeForce FX 5900XT	40	1418	NA	NA
GeForce FX 5950 Ultra	59	1361	NA	NA
GeForce FX Go 5200	8	1533	NA	NA
GeForce FX Go 5600	17	1508	NA	NA
GeForce FX Go5300	12	1519	NA	NA
GeForce FX Go5650	16	1510	NA	NA
GeForce FX Go5700	51	1379	NA	NA
GeForce G 103M	105	1232	NA	NA
GeForce G 105M	113	1218	NA	NA
GeForce G100	99	1249	4.99	\$19.99*
GeForce G102M	94	1263	NA	NA
GeForce G105M	180	1136	NA	NA
GeForce G200	134	1183	NA	NA
GeForce G205M	91	1278	NA	NA
GeForce G210	170	1144	2.70	\$63.13*
GeForce G210M	199	1111	NA	NA
GeForce Go 6100	18	1506	NA	NA
GeForce Go 6150	17	1507	NA	NA
GeForce Go 6200	15	1512	NA	NA
GeForce Go 6400	24	1484	NA	NA
GeForce Go 6600	69	1333	NA	NA
GeForce Go 6600 TE/6200 TE	44	1403	NA	NA
GeForce Go 6800	106	1231	NA	NA
GeForce Go 6800 Ultra	137	1175	NA	NA
GeForce Go 7200	45	1401	NA	NA
GeForce Go 7300	50	1384	NA	NA
GeForce Go 7400	62	1353	NA	NA
GeForce Go 7600	129	1187	NA	NA
GeForce Go 7600 GT	163	1152	NA	NA
GeForce Go 7700	147	1162	NA	NA
GeForce Go 7800	116	1208	NA	NA
GeForce Go 7800 GTX	209	1097	NA	NA
GeForce Go 7900 GS	176	1139	NA	NA
GeForce Go 7950 GTX	263	1051	NA	NA
GeForce GPU	1166	423	NA	NA
GeForce GT 1030	2208	249	31.55	\$69.99
GeForce GT 120	287	1031	8.35	\$34.49*
GeForce GT 120M	267	1046	NA	NA
GeForce GT 130	459	925	16.41	\$27.99*
GeForce GT 130M	298	1023	NA	NA
GeForce GT 140	747	652	NA	NA
GeForce GT 220	349	989	4.37	\$79.99*
GeForce GT 220M	259	1055	NA	NA
GeForce GT 230	472	917	10.74	\$43.99*
GeForce GT 230M	332	999	NA	NA
GeForce GT 240	650	746	17.13	\$37.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 240M	351	985	NA	NA
GeForce GT 320	553	847	16.92	\$32.69*
GeForce GT 320M	205	1106	NA	NA
GeForce GT 325M	293	1026	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 330	555	844	13.89	\$39.99*
GeForce GT 330M	362	978	NA	NA
GeForce GT 335M	501	896	NA	NA
GeForce GT 340	775	626	14.64	\$52.99*
GeForce GT 415M	319	1010	NA	NA
GeForce GT 420	472	918	10.27	\$45.99*
GeForce GT 420M	543	867	NA	NA
GeForce GT 425M	625	773	NA	NA
GeForce GT 430	661	735	18.38	\$35.99*
GeForce GT 435M	667	727	NA	NA
GeForce GT 440	841	579	12.03	\$69.99*
GeForce GT 445M	1054	465	NA	NA
GeForce GT 520	366	974	6.11	\$59.99*
GeForce GT 520M	381	967	6.36	\$59.99*
GeForce GT 520MX	406	956	NA	NA
GeForce GT 525M	600	798	NA	NA
GeForce GT 530	744	656	15.19	\$49.00*
GeForce GT 540M	649	748	NA	NA
GeForce GT 545	1293	385	23.27	\$55.59*
GeForce GT 550M	718	678	NA	NA
GeForce GT 555M	893	553	NA	NA
GeForce GT 610	351	984	8.78	\$39.99*
GeForce GT 620	430	943	10.76	\$39.99*
GeForce GT 620M	569	827	NA	NA
GeForce GT 625	439	936	NA	NA
GeForce GT 625M	503	894	NA	NA
GeForce GT 630	746	653	7.52	\$99.21*
GeForce GT 630M	687	711	NA	NA
GeForce GT 635	916	545	NA	NA
GeForce GT 635M	696	703	NA	NA
GeForce GT 640	1280	391	21.35	\$59.99*
GeForce GT 640M	960	522	NA	NA
GeForce GT 640M LE	784	615	0.92	\$849.99*
GeForce GT 645	2234	246	NA	NA
GeForce GT 645M	889	554	NA	NA
GeForce GT 650M	1230	406	NA	NA
GeForce GT 705	421	947	NA	NA
GeForce GT 710	680	717	17.01	\$39.99
GeForce GT 710M	551	848	NA	NA
GeForce GT 720	716	683	13.04	\$54.99*
GeForce GT 720A	661	733	NA	NA
GeForce GT 720M	560	836	NA	NA
GeForce GT 730	921	540	15.63	\$58.99
GeForce GT 730A	742	660	NA	NA
GeForce GT 730M	832	587	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 735M	668	725	NA	NA
GeForce GT 740	1572	334	16.56	\$94.99*
GeForce GT 740M	783	616	NA	NA
GeForce GT 745A	1179	420	NA	NA
GeForce GT 745M	972	515	NA	NA
GeForce GT 750M	1293	384	NA	NA
GeForce GT 755M	1595	330	NA	NA
GeForce GT 820M	699	698	NA	NA
GeForce GT625M	528	877	NA	NA
GeForce GTS 160M	678	720	NA	NA
GeForce GTS 240	821	593	12.64	\$64.99*
GeForce GTS 250	877	563	7.63	\$114.99*
GeForce GTS 250M	567	831	NA	NA
GeForce GTS 350M	556	842	NA	NA
GeForce GTS 360M	757	644	NA	NA
GeForce GTS 450	1557	337	23.96	\$64.99*
GeForce GTX 1050	4645	119	37.17	\$124.99

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 1050 Ti	5975	83	38.55	\$154.99
GeForce GTX 1050 Ti with Max-Q Design	5704	89	NA	NA
GeForce GTX 1050 with Max-Q Design	3855	154	NA	NA
GeForce GTX 1060	9057	46	37.74	\$239.99
GeForce GTX 1060 3GB	8949	47	44.75	\$199.99
GeForce GTX 1060 5GB	6493	76	NA	NA
GeForce GTX 1060 with Max-Q Design	7724	63	NA	NA
GeForce GTX 1070	11284	23	35.27	\$319.99
GeForce GTX 1070 Ti	12294	18	27.94	\$439.99
GeForce GTX 1070 with Max-Q Design	9237	43	NA	NA
GeForce GTX 1080	12379	16	23.81	\$519.99
GeForce GTX 1080 Ti	14185	10	18.42	\$769.99*
GeForce GTX 1080 with Max-Q Design	10214	34	NA	NA
GeForce GTX 260	1135	433	11.91	\$95.38*
GeForce GTX 260M	589	808	NA	NA
GeForce GTX 275	1242	398	10.36	\$119.99*
GeForce GTX 280	1203	411	2.30	\$522.78*
GeForce GTX 280M	620	775	NA	NA
GeForce GTX 285	1272	392	7.07	\$179.99*
GeForce GTX 285M	734	664	NA	NA
GeForce GTX 295	1054	466	6.59	\$159.99*
GeForce GTX 460	2654	218	29.50	\$89.99*
GeForce GTX 460 SE	2254	244	14.09	\$159.99*
GeForce GTX 460 v2	2491	226	12.46	\$199.99*
GeForce GTX 460M	1392	362	NA	NA
GeForce GTX 465	2947	203	11.19	\$263.28*
GeForce GTX 470	3601	160	6.90	\$522.01*
GeForce GTX 470M	1949	281	NA	NA
GeForce GTX 480	4360	133	60.57	\$71.99*
GeForce GTX 480M	2039	269	NA	NA
GeForce GTX 485M	2400	232	NA	NA
GeForce GTX 550 Ti	1924	286	6.69	\$287.59*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 555	2164	255	NA	NA
GeForce GTX 560	3118	190	8.82	\$353.59*
GeForce GTX 560 SE	2191	251	24.35	\$89.99*
GeForce GTX 560 Ti	3529	166	25.58	\$138.00*
GeForce GTX 560M	1546	338	NA	NA
GeForce GTX 570	4416	129	44.17	\$99.99*
GeForce GTX 570M	2023	271	NA	NA
GeForce GTX 580	5021	108	17.32	\$289.88*
GeForce GTX 580M	2292	237	NA	NA
GeForce GTX 590	4212	141	22.90	\$184.00*
GeForce GTX 645	1929	284	NA	NA
GeForce GTX 650	1833	294	12.66	\$144.81*
GeForce GTX 650 Ti	2659	217	15.64	\$169.99*
GeForce GTX 650 Ti BOOST	3535	164	NA	NA
GeForce GTX 660	4127	145	11.79	\$349.99*
GeForce GTX 660 Ti	4663	118	14.48	\$321.99*
GeForce GTX 660M	1438	351	NA	NA
GeForce GTX 670	5367	101	11.30	\$474.99*
GeForce GTX 670M	1939	282	NA	NA
GeForce GTX 670MX	2075	262	NA	NA
GeForce GTX 675M	2149	257	NA	NA
GeForce GTX 675MX	2405	231	NA	NA
GeForce GTX 680	5673	90	9.78	\$579.99*
GeForce GTX 680M	3349	177	6.70	\$499.99*
GeForce GTX 680MX	4353	135	NA	NA
GeForce GTX 690	5383	99	5.39	\$999.00*
GeForce GTX 745	2182	254	NA	NA
GeForce GTX 750	3309	178	21.92	\$150.99*
GeForce GTX 750 Ti	3743	158	12.52	\$299.01*
GeForce GTX 760	4938	111	19.76	\$249.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 760 Ti	5117	106	17.20	\$297.50*
GeForce GTX 760A	1281	388	NA	NA
GeForce GTX 760M	1431	353	NA	NA
GeForce GTX 765M	1884	290	NA	NA
GeForce GTX 770	6072	81	13.49	\$449.99*
GeForce GTX 770M	2651	219	14.90	\$177.99*
GeForce GTX 775M	4180	142	NA	NA
GeForce GTX 780	7960	59	10.74	\$740.99*
GeForce GTX 780 Ti	8893	48	11.86	\$749.99*
GeForce GTX 780M	4013	148	NA	NA
GeForce GTX 850A	802	603	NA	NA
GeForce GTX 850M	1598	328	NA	NA
GeForce GTX 860M	1906	288	NA	NA
GeForce GTX 870M	2410	229	NA	NA
GeForce GTX 880M	3687	159	NA	NA
GeForce GTX 950	5224	104	26.87	\$194.44*
GeForce GTX 950A	1654	317	NA	NA
GeForce GTX 950M	1865	291	NA	NA
GeForce GTX 960	5808	87	25.25	\$229.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 960A	2358	233	NA	NA
GeForce GTX 960M	2290	238	NA	NA
GeForce GTX 965M	3191	184	NA	NA
GeForce GTX 970	8611	50	21.12	\$407.76*
GeForce GTX 970M	4144	144	2.18	\$1,899.00*
GeForce GTX 980	9620	37	15.92	\$604.22
GeForce GTX 980 Ti	11368	22	21.38	\$531.82*
GeForce GTX 980M	5919	84	NA	NA
GeForce GTX Titan	7932	60	3.86	\$2,054.59*
GeForce GTX TITAN Black	8618	49	8.62	\$999.99*
GeForce GTX TITAN X	10685	27	5.34	\$1,999.99*
GeForce GTX TITAN Z	7693	65	4.87	\$1,580.00*
GeForce MX110	1586	331	NA	NA
GeForce MX130	1911	287	NA	NA
GeForce MX150	2156	256	NA	NA
GeForce MX230	1972	276	NA	NA
GeForce PCX 5300	6	1552	NA	NA
GeForce PCX 5750	34	1440	NA	NA
GeForce RTX 2060	12630	15	36.09	\$349.99
GeForce RTX 2070	14335	8	28.67	\$499.99
GeForce RTX 2080	15614	5	22.31	\$699.99
GeForce RTX 2080 Ti	17033	3	14.31	\$1,189.99
GeForce2 GTS/GeForce2 Pro	3	1603	NA	NA
GeForce2 Integrated GPU	4	1590	NA	NA
GeForce2 MX	2	1641	NA	NA
GeForce2 MX 100/200	3	1626	NA	NA
GeForce2 MX/MX 400	3	1606	NA	NA
GeForce2 Ti	4	1584	NA	NA
GeForce3	4	1578	NA	NA
GeForce3 Ti 200	4	1599	NA	NA
GeForce3 Ti 500	2	1648	NA	NA
GeForce4 420 Go	3	1623	NA	NA
GeForce4 420 Go 32M	5	1572	NA	NA
GeForce4 4200 Go	3	1604	NA	NA
GeForce4 440 Go	3	1613	NA	NA
GeForce4 440 Go 64M	5	1556	NA	NA
GeForce4 448 Go	5	1566	NA	NA
GeForce4 460 Go --MobileForce M4 Stock--	5	1559	NA	NA
GeForce4 MX 4000	4	1588	NA	NA
GeForce4 MX 420	4	1579	NA	NA
GeForce4 MX 440	4	1589	NA	NA
GeForce4 MX 440 with AGP8X	4	1580	NA	NA
GeForce4 MX 440SE	4	1586	NA	NA

VideoCard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	VideoCard Value (higher is better)	Price (USD)
GeForce4 MX 460	4	1594	NA	NA
GeForce4 MX Integrated GPU	6	1548	NA	NA
GeForce4 Ti 4200	5	1568	NA	NA
GeForce4 Ti 4400	7	1542	NA	NA
GeForce4 Ti 4600	5	1567	0.10	\$53.99*
GeForce4 Ti 4800 SE	7	1540	NA	NA
VideoCard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	VideoCard Value (higher is better)	Price (USD)
GeForce9400M	105	1233	NA	NA
GF117	554	845	NA	NA
GIGABYTE RADEON 9600 PRO	39	1424	NA	NA
GRID K1	880	561	1.48	\$594.00
GRID K120Q	298	1024	NA	NA
GRID K140Q	727	668	NA	NA
GRID K160Q	701	697	NA	NA
GRID K180Q	778	621	NA	NA
GRID K2	3772	157	3.21	\$1,177.00
GRID K220Q	912	547	NA	NA
GRID K240Q	2143	259	NA	NA
GRID K260Q	2940	204	NA	NA
GRID K280Q	2322	236	NA	NA
GRID K520	4384	131	NA	NA
GRID M60-1Q	4872	112	NA	NA
GRID M60-2Q	5904	85	NA	NA
GRID M60-4Q	3291	180	NA	NA
GRID M60-8Q	3883	152	NA	NA
GRID P6-4Q	4429	128	NA	NA
HD6450	227	1078	NA	NA
Intel - Express Chipset G41	57	1369	NA	NA
Intel - Express Chipset Q45/Q43	57	1368	NA	NA
Intel 4th Generation Haswell HD	419	949	NA	NA
Intel 82845G Controller	2	1651	NA	NA
Intel 82845G/GL Controller	2	1643	NA	NA
Intel 82845G/GL/GE/PE/GV Controller	2	1635	NA	NA
Intel 82865G Controller	4	1581	NA	NA
Intel 82915G Express	5	1562	NA	NA
Intel 82915G/GV/910GL Express	3	1630	NA	NA
Intel 82945G Express	5	1557	NA	NA
Intel 865 Embedded Controller	3	1614	NA	NA
Intel 946GZ Embedded Chipset Function 0	3	1627	NA	NA
Intel 946GZ Express	6	1549	NA	NA
Intel B43 Express Chipset	63	1349	NA	NA
Intel Coffee Lake UHD	1158	428	NA	NA
Intel G33/G31 Express	12	1520	NA	NA
Intel G35 Express	30	1461	NA	NA
Intel G41 Express Chipset	63	1350	NA	NA
Intel G41 Express Chipset v2	71	1323	NA	NA
Intel G41 Express-Chipsatz	58	1365	NA	NA
Intel G45/G43 Express Chipset	69	1329	NA	NA
Intel G965 Express	18	1504	NA	NA
Intel Haswell HD - GT1	118	1203	NA	NA
Intel Haswell HD - GT2	160	1153	NA	NA
Intel HD 3000	313	1012	0.33	\$945.00*
Intel HD 4000	455	926	0.29	\$1,592.95*
Intel HD 4400	567	830	NA	NA
Intel HD 4600	711	688	NA	NA
Intel HD 5000	599	799	NA	NA
VideoCard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	VideoCard Value (higher is better)	Price (USD)
Intel HD 510	619	778	NA	NA
Intel HD 515	646	750	NA	NA
Intel HD 520	833	584	NA	NA
Intel HD 5200	777	623	NA	NA
Intel HD 530	999	495	NA	NA



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel HD 5300	401	960	NA	NA
Intel HD 5500	588	811	NA	NA
Intel HD 5600	663	731	NA	NA
Intel HD 6000	829	590	NA	NA
Intel HD 610	716	684	NA	NA
Intel HD 615	726	669	NA	NA
Intel HD 630	1119	438	NA	NA
Intel HD Family	435	938	NA	NA
Intel HD Graphics 620	927	538	NA	NA
Intel HD manual-gen9_2015-133271	165	1151	NA	NA
Intel HD Modded	112	1223	NA	NA
Intel HD P3000	351	986	NA	NA
Intel HD P4000	516	885	NA	NA
Intel HD P4600	604	793	NA	NA
Intel HD P4600/P4700	670	724	NA	NA
Intel HD P530	1065	459	NA	NA
Intel HD P630	1257	396	NA	NA
Intel Infoshock HD	193	1117	NA	NA
Intel Iris 5100	748	650	NA	NA
Intel Iris 540	1346	372	NA	NA
Intel Iris 550	1607	326	NA	NA
Intel Iris 6100	977	512	NA	NA
Intel Iris Plus 640	1413	357	NA	NA
Intel Iris Plus 650	1560	336	NA	NA
Intel Iris Plus 655	1934	283	NA	NA
Intel Iris Pro 5200	1171	421	NA	NA
Intel Iris Pro 580	1863	292	NA	NA
Intel Iris Pro Graphics 6200	1532	341	NA	NA
Intel Iris Pro P580	2089	261	NA	NA
Intel Media Accelerator	32	1452	NA	NA
Intel Media Accelerator 3150	3	1632	NA	NA
Intel Media Accelerator 500	3	1621	NA	NA
Intel Media Accelerator 600	6	1544	NA	NA
Intel Media Accelerator HD	116	1209	NA	NA
Intel Q33 Express	11	1525	NA	NA
Intel Q35 Express	10	1529	NA	NA
Intel Q45/Q43 Express Chipset	66	1343	NA	NA
Intel Q45/Q43 Express-Chipsatz	59	1362	NA	NA
Intel Q965/Q963 Express	6	1550	NA	NA
Intel Skylake HD DT GT2	576	823	NA	NA
Intel UHD	1197	414	NA	NA
Intel UHD 600	361	979	NA	NA
Intel UHD 605	392	964	NA	NA
Intel UHD 610	773	627	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel UHD 615	779	619	NA	NA
Intel UHD 630	1185	417	NA	NA
Intel UHD Graphics 620	1028	482	NA	NA
Intel UHD P630	1180	419	NA	NA
Intel US15 Embedded Media and Controller	7	1539	NA	NA
ION	98	1255	0.43	\$229.99*
ION LE	99	1250	NA	NA
KB 2C	235	1073	NA	NA
M860G with Mobility Radeon 4100	75	1315	NA	NA
M880G with Mobility Radeon HD 4200	92	1270	NA	NA
M880G with Mobility Radeon HD 4225	71	1324	NA	NA
M880G with Mobility Radeon HD 4250	104	1237	NA	NA
Matrox C420 LP PCIe x16	635	763	NA	NA
Matrox C680 PCIe x16	1951	280	NA	NA
Matrox C900 PCIe x16	1812	297	NA	NA
Matrox G200e WDDM 1.2	59	1360	NA	NA
Matrox G200eh	40	1417	NA	NA
Matrox G200eh WDDM 1.2	52	1378	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Matrox G200eR	36	1433	NA	NA
Matrox G200eR WDDM 1.2	67	1336	NA	NA
Matrox G200eW	42	1412	NA	NA
Matrox G200eW WDDM 1.2	50	1385	NA	NA
Matrox M9138 LP PCIe x16	27	1470	NA	NA
Matrox M9140 LP PCIe x16	21	1495	NA	NA
Matrox M9148 LP PCIe x16	11	1524	NA	NA
Matrox Millennium P650 PCIe 128	5	1570	NA	NA
Matrox Millennium P690 PCIe x16	10	1530	NA	NA
Matrox Millennium P690 Plus LP PCIe x16	6	1546	NA	NA
Matrox Parhelia APVe	5	1565	NA	NA
MEDION RADEON X740XL	94	1262	NA	NA
Mobile Intel - famiglia Express Chipset 45	37	1430	NA	NA
Mobile Intel - famiglia Express Chipset serie 4	47	1394	NA	NA
Mobile Intel 4 Express-Chipsatzfamilie	44	1405	NA	NA
Mobile Intel 45 Express	43	1408	NA	NA
Mobile Intel 45 Express-Chipsatzfamilie	46	1398	NA	NA
Mobile Intel 915GM/GMS/910GML Express	4	1591	NA	NA
Mobile Intel 945 Express	4	1587	NA	NA
Mobile Intel 945GM Express	5	1560	NA	NA
Mobile Intel 945GM/GU Express	5	1564	NA	NA
Mobile Intel 965 Express	20	1500	NA	NA
Mobile Intel 965 Express-Chipsatzfamilie	24	1485	NA	NA
Mobile Intel HD	410	952	NA	NA
Mobile Intel serie 4 Express	44	1404	NA	NA
MOBILITY FIREGL T2	39	1419	NA	NA
MOBILITY FIREGL T2/T2e	33	1448	NA	NA
MOBILITY FireGL V3200	61	1355	NA	NA
MOBILITY FireGL V5000	81	1303	NA	NA
MOBILITY FireGL V5200	44	1402	NA	NA
MOBILITY FireGL V5250	27	1468	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Mobility FireGL V5725	219	1083	NA	NA
Mobility Radeon 4100	81	1306	NA	NA
MOBILITY RADEON 7000 IGP	6	1551	NA	NA
MOBILITY RADEON 7500	3	1616	NA	NA
MOBILITY RADEON 9000	3	1625	NA	NA
MOBILITY RADEON 9000 IGP	7	1535	NA	NA
MOBILITY RADEON 9000/9100 IGP	5	1563	NA	NA
MOBILITY RADEON 9100 IGP	2	1634	NA	NA
MOBILITY RADEON 9200	3	1633	NA	NA
MOBILITY RADEON 9600 PRO TURBO	24	1482	NA	NA
MOBILITY RADEON 9600/9700	39	1423	NA	NA
MOBILITY RADEON 9700	27	1467	NA	NA
MOBILITY RADEON 9800	46	1399	NA	NA
Mobility Radeon HD 2300	50	1383	NA	NA
Mobility Radeon HD 2400	89	1284	NA	NA
Mobility Radeon HD 2400 XT	103	1239	NA	NA
Mobility Radeon HD 2600	169	1146	NA	NA
Mobility Radeon HD 2600 XT	190	1125	NA	NA
Mobility Radeon HD 3410	62	1351	NA	NA
Mobility Radeon HD 3430	97	1257	NA	NA
Mobility Radeon HD 3450	91	1279	NA	NA
Mobility Radeon HD 3470	93	1266	NA	NA
Mobility Radeon HD 3470 Hybrid X2	93	1267	NA	NA
Mobility Radeon HD 3650	211	1092	NA	NA
Mobility Radeon HD 3670	232	1075	NA	NA
Mobility Radeon HD 3850	365	975	NA	NA
Mobility Radeon HD 3870	547	856	NA	NA
Mobility Radeon HD 3870 X2	564	834	NA	NA
Mobility Radeon HD 4200	91	1282	NA	NA
Mobility Radeon HD 4225	66	1344	NA	NA
Mobility Radeon HD 4250	98	1254	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Mobility Radeon HD 4270	92	1269	NA	NA
Mobility Radeon HD 4330	135	1179	NA	NA
Mobility Radeon HD 4350	148	1161	NA	NA
Mobility Radeon HD 4550	191	1121	NA	NA
Mobility Radeon HD 4570	196	1113	NA	NA
Mobility Radeon HD 4650	400	961	NA	NA
Mobility Radeon HD 4670	462	924	NA	NA
Mobility Radeon HD 4830	511	887	NA	NA
Mobility Radeon HD 4850	862	569	NA	NA
Mobility Radeon HD 4870	719	675	NA	NA
Mobility Radeon HD 5000	773	630	NA	NA
Mobility Radeon HD 5000 Serisi	478	908	NA	NA
Mobility Radeon HD 5165	284	1033	NA	NA
Mobility Radeon HD 530v	174	1140	NA	NA
Mobility Radeon HD 540v	188	1126	NA	NA
Mobility Radeon HD 5430	181	1133	NA	NA
Mobility Radeon HD 5450	214	1090	NA	NA
Mobility Radeon HD 545v	199	1110	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Mobility Radeon HD 5470	236	1071	NA	NA
Mobility Radeon HD 550v	266	1047	NA	NA
Mobility Radeon HD 5570	715	686	NA	NA
Mobility Radeon HD 560v	318	1011	NA	NA
Mobility Radeon HD 5650	550	850	NA	NA
Mobility Radeon HD 565v	325	1001	NA	NA
Mobility Radeon HD 5730	675	722	NA	NA
Mobility Radeon HD 5850	767	634	NA	NA
Mobility Radeon HD 5870	1240	399	NA	NA
Mobility Radeon HD serie 4200	96	1261	NA	NA
Mobility Radeon X1300	39	1421	NA	NA
Mobility Radeon X1350	39	1420	NA	NA
Mobility Radeon X1400	43	1410	NA	NA
Mobility Radeon X1450	33	1449	NA	NA
Mobility Radeon X1600	92	1273	NA	NA
Mobility Radeon X1700	104	1234	NA	NA
MOBILITY RADEON X1800	130	1185	NA	NA
Mobility Radeon X1900	134	1180	NA	NA
Mobility Radeon X2300	48	1392	NA	NA
Mobility Radeon X2300 HD	48	1391	NA	NA
Mobility Radeon X2500	81	1302	NA	NA
MOBILITY RADEON X300	33	1447	NA	NA
MOBILITY RADEON X600	49	1386	NA	NA
MOBILITY RADEON X600 SE	49	1388	NA	NA
MOBILITY RADEON X700	66	1340	NA	NA
MOBILITY RADEON XPRESS 200	26	1472	NA	NA
Mobility Radeon. HD 5470	215	1088	NA	NA
MOBILITY/RADEON 9000	4	1598	NA	NA
MxGPU	2021	272	NA	NA
nForce 750a SLI	83	1296	NA	NA
nForce 760i SLI	140	1171	NA	NA
nForce 780a SLI	92	1274	NA	NA
nForce 980a/780a SLI	81	1304	NA	NA
NVIDIA TITAN X	13596	11	11.33	\$1,200.00*
NVIDIA TITAN Xp	14239	9	8.14	\$1,748.42
NVS 2100M	185	1129	NA	NA
NVS 300	184	1130	2.63	\$69.98
NVS 310	291	1029	2.70	\$107.81*
NVS 3100M	204	1107	NA	NA
NVS 315	346	990	4.34	\$79.99
NVS 4200M	364	976	NA	NA
NVS 510	765	636	3.21	\$237.99
NVS 5100M	356	981	NA	NA
NVS 5200M	660	737	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
NVS 5400M	777	622	NA	NA
NVS 810	1066	457	1.71	\$624.99
OpenXT Display Driver	30	1459	NA	NA
PHDGD Ivy 4	394	963	NA	NA
PHDGD Quantic C3	104	1236	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
PHDGD Quebec 4.0 for Intel Q45/Q43 Express Chipset	66	1341	NA	NA
PHDGD Sapphire GR for Mobile Intel 965	25	1476	NA	NA
PHDGD Solo 1.2.0 x86	11	1527	NA	NA
PHDGD Solo 2 x64	20	1501	NA	NA
Quadro 1000M	752	648	7.53	\$99.95*
Quadro 1100M	755	645	NA	NA
Quadro 2000	1315	378	17.49	\$75.24
Quadro 2000 D	1182	418	NA	NA
Quadro 2000D	1282	387	15.27	\$83.99
Quadro 2000M	1038	474	22.31	\$46.56
Quadro 280 NVS PCIe	5	1561	NA	NA
Quadro 3000M	1461	349	7.31	\$199.95*
Quadro 400	238	1069	5.95	\$39.99
Quadro 4000	2041	267	13.80	\$148.00
Quadro 4000M	1823	296	16.28	\$111.99*
Quadro 410	409	953	2.67	\$153.01*
Quadro 5000	2841	210	20.16	\$140.95
Quadro 5000M	2039	270	NA	NA
Quadro 500M	672	723	2.44	\$275.14*
Quadro 5010M	1824	295	7.73	\$235.95*
Quadro 600	697	701	13.67	\$50.99
Quadro 6000	3521	167	9.52	\$369.99
Quadro CX	947	527	6.32	\$149.95*
Quadro FX 1000	34	1444	NA	NA
Quadro FX 1100	35	1436	0.17	\$212.99*
Quadro FX 1300	34	1443	NA	NA
Quadro FX 1400	103	1240	NA	NA
Quadro FX 1500	156	1155	1.42	\$109.99
Quadro FX 1500M	171	1143	NA	NA
Quadro FX 1600M	215	1087	1.44	\$149.90*
Quadro FX 1700	193	1118	1.41	\$137.48*
Quadro FX 1700M	300	1021	NA	NA
Quadro FX 1800	580	818	3.12	\$186.29*
Quadro FX 1800M	479	907	NA	NA
Quadro FX 2500M	214	1089	2.15	\$99.99*
Quadro FX 2700M	529	876	5.29	\$99.95*
Quadro FX 2800M	660	736	13.23	\$49.95*
Quadro FX 3000	69	1334	0.41	\$166.60*
Quadro FX 3400/4400	104	1235	NA	NA
Quadro FX 3450	148	1160	1.07	\$138.75*
Quadro FX 3450/4000 SDI	133	1184	NA	NA
Quadro FX 350	85	1288	NA	NA
Quadro FX 3500	208	1100	1.60	\$129.98*
Quadro FX 3500M	306	1018	3.06	\$99.99*
Quadro FX 350M	62	1354	NA	NA
Quadro FX 3600M	467	921	NA	NA
Quadro FX 360M	87	1286	NA	NA
Quadro FX 370	83	1295	0.90	\$92.75*
Quadro FX 370 LP	108	1230	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 3700	631	768	6.37	\$99.02*
Quadro FX 3700M	634	765	0.69	\$925.00*
Quadro FX 370M	93	1268	NA	NA
Quadro FX 380	149	1159	2.06	\$72.50*
Quadro FX 380 LP	190	1124	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 3800	839	580	19.09	\$43.99*
Quadro FX 3800M	803	602	NA	NA
Quadro FX 380M	205	1105	NA	NA
Quadro FX 4500	207	1103	0.83	\$249.00*
Quadro FX 4600	601	796	4.63	\$129.99*
Quadro FX 4700 X2	665	729	NA	NA
Quadro FX 4800	1003	493	6.69	\$149.99
Quadro FX 500/600 PCI	14	1513	NA	NA
Quadro FX 500/FX 600	7	1536	NA	NA
Quadro FX 540	80	1308	1.35	\$59.99*
Quadro FX 550	63	1348	NA	NA
Quadro FX 5500	240	1068	0.13	\$1,840.60*
Quadro FX 560	113	1214	0.76	\$150.25*
Quadro FX 5600	681	715	3.79	\$179.99*
Quadro FX 570	115	1211	1.28	\$89.99*
Quadro FX 570M	185	1128	NA	NA
Quadro FX 580	269	1043	3.05	\$88.44*
Quadro FX 5800	1106	445	6.19	\$178.89*
Quadro FX 770M	297	1025	0.57	\$527.00*
Quadro FX 880M	355	983	NA	NA
Quadro FX Go1400	101	1244	NA	NA
Quadro GP100	12843	13	NA	NA
Quadro GV100	12699	14	NA	NA
Quadro K1000M	793	608	5.29	\$149.90*
Quadro K1100M	1021	485	12.93	\$79.00*
Quadro K1200	3022	198	10.42	\$289.99
Quadro K2000	1720	308	10.43	\$164.99
Quadro K2000D	1679	315	3.54	\$475.00
Quadro K2000M	1079	454	7.20	\$149.95*
Quadro K2100M	1327	375	8.30	\$159.95*
Quadro K2200	3573	161	10.45	\$341.99
Quadro K2200M	2620	221	NA	NA
Quadro K3000M	1772	304	11.43	\$155.00*
Quadro K3100M	2041	268	1.02	\$1,999.00*
Quadro K4000	2879	207	13.70	\$210.19
Quadro K4000M	2261	243	NA	NA
Quadro K4100M	2558	225	6.73	\$379.99*
Quadro K420	834	583	7.73	\$107.99
Quadro K4200	4466	125	14.36	\$311.05
Quadro K5000	4016	147	13.85	\$289.99
Quadro K5000M	2588	224	6.62	\$391.00*
Quadro K5100M	3132	189	10.11	\$309.99*
Quadro K510M	651	744	NA	NA
Quadro K5200	6096	80	14.76	\$413.10
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro K600	824	591	15.95	\$51.66
Quadro K6000	7598	66	7.92	\$959.00
Quadro K610M	763	638	10.18	\$75.00*
Quadro K620	2325	235	12.24	\$190.00
Quadro K620M	884	558	NA	NA
Quadro M1000M	2330	234	11.18	\$208.46*
Quadro M1200	2993	201	NA	NA
Quadro M2000	4295	139	10.04	\$427.99
Quadro M2000M	2837	211	NA	NA
Quadro M2200	3509	169	NA	NA
Quadro M3000M	4494	124	NA	NA
Quadro M4000	6670	75	14.24	\$468.32
Quadro M4000M	4572	122	NA	NA
Quadro M5000	8480	52	5.66	\$1,498.00*
Quadro M5000M	5531	96	NA	NA
Quadro M500M	1050	467	NA	NA
Quadro M520	1570	335	NA	NA
Quadro M5500	9322	40	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro M6000	9286	41	1.92	\$4,829.00*
Quadro M6000 24GB	9852	36	NA	NA
Quadro M600M	1887	289	18.33	\$102.99*
Quadro M620	2793	213	NA	NA
Quadro NVS 110M	47	1393	NA	NA
Quadro NVS 120M	46	1396	NA	NA
Quadro NVS 130M	59	1358	NA	NA
Quadro NVS 135M	57	1370	NA	NA
Quadro NVS 140M	90	1283	NA	NA
Quadro NVS 150M	94	1265	NA	NA
Quadro NVS 160M	92	1272	NA	NA
Quadro NVS 210S	23	1486	NA	NA
Quadro NVS 210S / GeForce 6150LE	20	1499	NA	NA
Quadro NVS 280 SD	2	1650	NA	NA
Quadro NVS 285	35	1438	0.32	\$111.25
Quadro NVS 285 128MB	38	1428	0.70	\$55.00*
Quadro NVS 290	91	1281	2.47	\$37.00
Quadro NVS 295	96	1260	2.27	\$42.75
Quadro NVS 320M	206	1104	NA	NA
Quadro NVS 420	99	1248	1.23	\$80.99
Quadro NVS 440	38	1427	0.27	\$141.45*
Quadro NVS 450	91	1280	0.54	\$168.00*
Quadro NVS 55/280 PCI	6	1554	NA	NA
Quadro P1000	4435	127	13.86	\$319.99
Quadro P2000	7456	68	17.34	\$429.99
Quadro P2000 with Max-Q Design	4765	113	NA	NA
Quadro P3000	5666	91	NA	NA
Quadro P3200	8166	56	NA	NA
Quadro P3200 with Max-Q Design	8313	55	NA	NA
Quadro P400	1711	309	14.68	\$116.58
Quadro P4000	10421	30	13.90	\$749.99
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro P4000 with Max-Q Design	9082	45	NA	NA
Quadro P4200	10290	33	NA	NA
Quadro P4200 with Max-Q Design	10156	35	NA	NA
Quadro P500	1604	327	NA	NA
Quadro P5000	10357	32	5.95	\$1,740.00
Quadro P5200	9249	42	NA	NA
Quadro P5200 with Max-Q Design	10489	28	NA	NA
Quadro P600	3071	195	18.07	\$169.99
Quadro P6000	13262	12	3.02	\$4,385.00
Quadro P620	3466	171	19.81	\$174.99
Quadro RTX 6000	21366	1	3.39	\$6,300.00*
Quadro2 Pro	1	1659	NA	NA
Quadro4 380 XGL	6	1547	NA	NA
Quadro4 980 XGL	5	1576	0.01	\$341.43*
Qualcomm Adreno 630 GPU	249	1064	NA	NA
Radeon 2100	60	1357	0.53	\$114.99
Radeon 3000	98	1252	1.62	\$60.99*
Radeon 3100	73	1319	0.49	\$149.99
Radeon 520	844	577	NA	NA
Radeon 530	1239	400	NA	NA
Radeon 535	1398	361	NA	NA
Radeon 540	1618	323	NA	NA
Radeon 6600M	739	662	NA	NA
RADEON 7000 / RADEON VE Family	3	1609	NA	NA
RADEON 7500	3	1628	0.10	\$32.12*
RADEON 7500 Family	4	1582	NA	NA
RADEON 9000 Family	3	1618	NA	NA
RADEON 9100 Family	6	1553	NA	NA
RADEON 9100 IGP	5	1569	NA	NA
RADEON 9200	3	1615	0.09	\$39.95*
RADEON 9200 LE Family	2	1644	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RADEON 9200 PRO Family	2	1636	NA	NA
RADEON 9200 SE	2	1647	NA	NA
RADEON 9250	2	1645	0.06	\$42.99*
RADEON 9500	36	1434	0.90	\$40.50*
RADEON 9500 PRO / 9700	41	1413	NA	NA
RADEON 9550	34	1442	1.08	\$31.88*
Radeon 9550 / X1050	29	1465	NA	NA
RADEON 9600 Family	25	1480	NA	NA
RADEON 9600 PRO Family	26	1475	NA	NA
RADEON 9600 TX Family	18	1503	NA	NA
RADEON 9600 XT	35	1439	NA	NA
RADEON 9600SE	27	1469	NA	NA
RADEON 9700 PRO	53	1375	NA	NA
RADEON 9800 PRO	59	1359	NA	NA
RADEON 9800 SE	23	1487	NA	NA
RADEON 9800 XT	53	1376	NA	NA
RADEON E4690	405	958	NA	NA
Radeon E6760	973	513	4.06	\$239.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon E8860	1577	333	NA	NA
Radeon HD 2350	76	1313	NA	NA
Radeon HD 2400	120	1199	NA	NA
Radeon HD 2400 PCI	14	1514	NA	NA
Radeon HD 2400 Pro	114	1212	NA	NA
Radeon HD 2400 XT	119	1201	NA	NA
Radeon HD 2600 PRO	211	1094	NA	NA
Radeon HD 2600 Pro AGP	110	1225	NA	NA
Radeon HD 2600 XT	283	1034	NA	NA
Radeon HD 2900 GT	292	1028	NA	NA
Radeon HD 2900 PRO	627	770	NA	NA
Radeon HD 2900 XT	657	741	NA	NA
Radeon HD 3200	82	1297	NA	NA
Radeon HD 3300	126	1191	NA	NA
Radeon HD 3450	118	1205	1.63	\$72.99*
Radeon HD 3470	145	1164	NA	NA
Radeon HD 3650 AGP	150	1158	NA	NA
Radeon HD 3670	241	1067	NA	NA
Radeon HD 3850	529	874	NA	NA
Radeon HD 3850 AGP	469	919	NA	NA
Radeon HD 3850 X2	792	611	NA	NA
Radeon HD 3870	718	681	12.38	\$58.00*
Radeon HD 3870 X2	874	564	NA	NA
Radeon HD 4200	112	1222	NA	NA
Radeon HD 4250	123	1197	NA	NA
Radeon HD 4270	111	1224	NA	NA
Radeon HD 4290	142	1166	NA	NA
Radeon HD 4300/4500 Serisi	155	1156	NA	NA
Radeon HD 4330	159	1154	NA	NA
Radeon HD 4350	168	1148	2.75	\$61.10*
Radeon HD 4550	236	1070	1.86	\$126.99*
Radeon HD 4650	335	998	2.68	\$124.99*
Radeon HD 4650 AGP	207	1102	NA	NA
Radeon HD 4670	545	862	4.96	\$109.99*
Radeon HD 4770	1038	473	NA	NA
Radeon HD 4810	785	614	NA	NA
Radeon HD 4830	949	525	15.83	\$59.99*
Radeon HD 4850	1024	484	11.38	\$89.99*
Radeon HD 4850 X2	1147	429	NA	NA
Radeon HD 4870	1380	363	23.02	\$59.99*
Radeon HD 4870 X2	1310	381	NA	NA
Radeon HD 4890	1540	340	14.00	\$109.99*
Radeon HD 5450	231	1077	4.63	\$49.99
Radeon HD 5470	268	1045	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 5550	548	853	9.97	\$54.99*
Radeon HD 5570	714	687	3.76	\$189.99*
Radeon HD 5600/5700	960	521	NA	NA
Radeon HD 5670	1083	451	22.65	\$47.84*
Radeon HD 5750	1445	350	20.83	\$69.41*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 5770	1709	310	14.74	\$115.99*
Radeon HD 5830	2051	265	12.82	\$159.99*
Radeon HD 5850	2279	240	28.50	\$79.99*
Radeon HD 5870	2620	220	26.21	\$99.99*
Radeon HD 5970	2594	223	7.86	\$329.99*
Radeon HD 6230	211	1093	NA	NA
Radeon HD 6250	119	1202	NA	NA
Radeon HD 6290	138	1174	NA	NA
Radeon HD 6290M	140	1170	NA	NA
Radeon HD 6300M	255	1060	NA	NA
Radeon HD 6310	170	1145	NA	NA
Radeon HD 6320	202	1109	0.36	\$554.99*
Radeon HD 6320 Graphic	216	1085	NA	NA
Radeon HD 6320M	198	1112	NA	NA
RADEON HD 6350	211	1095	4.15	\$50.99*
Radeon HD 6370D	307	1017	NA	NA
Radeon HD 6370M	275	1039	NA	NA
Radeon HD 6380G	300	1022	0.75	\$399.99*
Radeon HD 6410D	388	966	NA	NA
Radeon HD 6430M	192	1119	NA	NA
Radeon HD 6450	277	1038	5.24	\$52.99
Radeon HD 6450A	260	1053	NA	NA
Radeon HD 6470M	312	1013	0.55	\$569.99*
Radeon HD 6480G	406	955	NA	NA
Radeon HD 6490M	380	969	0.32	\$1,193.03*
Radeon HD 6520G	486	902	NA	NA
Radeon HD 6530D	513	886	NA	NA
Radeon HD 6550A	707	692	NA	NA
Radeon HD 6550D	644	754	NA	NA
Radeon HD 6570	760	640	15.21	\$49.99*
Radeon HD 6610M	565	832	NA	NA
Radeon HD 6620G	557	840	NA	NA
Radeon HD 6630M	684	714	NA	NA
Radeon HD 6650M	718	679	NA	NA
Radeon HD 6670	1059	462	10.29	\$102.99*
Radeon HD 6670 + 6670 Dual	646	749	NA	NA
Radeon HD 6700M	1014	489	NA	NA
Radeon HD 6750	1319	377	26.40	\$49.99*
Radeon HD 6750M	939	532	NA	NA
Radeon HD 6770	1681	314	21.84	\$76.99*
Radeon HD 6770M	964	517	NA	NA
Radeon HD 6790	2046	266	31.49	\$64.99*
Radeon HD 6800M	987	504	NA	NA
Radeon HD 6850	2287	239	22.87	\$99.99*
Radeon HD 6870	2611	222	29.02	\$89.99*
Radeon HD 6900M	1953	279	NA	NA
Radeon HD 6950	3213	182	35.71	\$89.99*
Radeon HD 6970	3519	168	37.05	\$94.99*
Radeon HD 6990	2858	209	17.87	\$159.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7290	139	1172	NA	NA
Radeon HD 7290M	123	1196	NA	NA
Radeon HD 7310	171	1142	NA	NA
Radeon HD 7310G	180	1134	NA	NA
Radeon HD 7310M	166	1150	NA	NA
Radeon HD 7340	207	1101	0.38	\$552.69*



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7340G	196	1114	NA	NA
Radeon HD 7340M	221	1081	NA	NA
Radeon HD 7350	279	1035	NA	NA
Radeon HD 7400G	323	1002	NA	NA
Radeon HD 7420G	433	940	NA	NA
Radeon HD 7450	309	1016	3.64	\$84.99*
Radeon HD 7450A	288	1030	NA	NA
Radeon HD 7450M	329	1000	NA	NA
Radeon HD 7470	362	977	NA	NA
Radeon HD 7470M	407	954	NA	NA
Radeon HD 7480D	428	944	NA	NA
Radeon HD 7500G	412	950	NA	NA
Radeon HD 7500G + 7500M/7600M Dual	616	781	NA	NA
Radeon HD 7500G + 7550M Dual	497	900	NA	NA
Radeon HD 7500G + HD 7500M/7600M Dual	355	982	NA	NA
Radeon HD 7520G	449	930	NA	NA
Radeon HD 7520G + 7400M Dual	486	903	NA	NA
Radeon HD 7520G + 7600M Dual	591	807	NA	NA
Radeon HD 7520G + 7610M Dual	588	813	NA	NA
Radeon HD 7520G + 7650M Dual	453	928	NA	NA
Radeon HD 7520G + 7670M Dual	522	879	NA	NA
Radeon HD 7520G + 7700M Dual	1060	461	NA	NA
Radeon HD 7520G + 8600/8700M Dual	311	1014	NA	NA
Radeon HD 7520G + HD 7400M Dual	544	865	NA	NA
Radeon HD 7520G + HD 7600M Dual	599	801	NA	NA
Radeon HD 7520G + HD 7670M Dual	548	854	NA	NA
Radeon HD 7520G + HD 8600/8700M Dual	623	774	NA	NA
Radeon HD 7520G + HD 8750M Dual	651	745	NA	NA
Radeon HD 7540D	509	889	NA	NA
Radeon HD 7540D + 6570 Dual	719	677	NA	NA
Radeon HD 7550M	473	916	NA	NA
Radeon HD 7550M/7650M	732	666	NA	NA
Radeon HD 7560D	662	732	NA	NA
Radeon HD 7560D + 6570 Dual	833	586	NA	NA
Radeon HD 7560D + 6670 Dual	1130	434	NA	NA
Radeon HD 7560D + 7560D Dual	982	509	NA	NA
Radeon HD 7560D + 7670 Dual	1426	355	NA	NA
Radeon HD 7560D + HD 7000 Dual	534	870	NA	NA
Radeon HD 7560D + HD 7700 Dual	1346	371	NA	NA
Radeon HD 7560D + R5 235 Dual	563	835	NA	NA
Radeon HD 7570	983	508	NA	NA
Radeon HD 7570M	612	787	NA	NA
Radeon HD 7570M/HD 7670M	699	700	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7580D	350	987	NA	NA
Radeon HD 7600G	478	910	NA	NA
Radeon HD 7600G + 7450M Dual	389	965	NA	NA
Radeon HD 7600G + 7500M/7600M Dual	405	957	NA	NA
Radeon HD 7600G + 7550M Dual	423	945	NA	NA
Radeon HD 7600G + 8500M/8700M Dual	469	920	NA	NA
Radeon HD 7600G + HD 7500M/7600M Dual	555	843	NA	NA
Radeon HD 7600G + HD 7550M Dual	509	890	NA	NA
Radeon HD 7600G + HD 8670M Dual	543	866	NA	NA
Radeon HD 7600G + HD Dual	442	934	NA	NA
Radeon HD 7600M + 7600M Dual	773	628	NA	NA
Radeon HD 7610M	632	767	NA	NA
Radeon HD 7620G	484	904	NA	NA
Radeon HD 7620G + 8600M Dual	503	895	NA	NA
Radeon HD 7620G + 8670M Dual	577	822	NA	NA
Radeon HD 7620G + HD 8600M Dual	442	933	NA	NA
Radeon HD 7620G + HD 8670M Dual	507	891	NA	NA
Radeon HD 7640G	614	785	NA	NA
Radeon HD 7640G + 6400M Dual	526	878	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7640G + 7400M Dual	637	759	NA	NA
Radeon HD 7640G + 7470M Dual	598	803	NA	NA
Radeon HD 7640G + 7500/7600 Dual	627	771	NA	NA
Radeon HD 7640G + 7600M Dual	705	694	NA	NA
Radeon HD 7640G + 7610M Dual	510	888	NA	NA
Radeon HD 7640G + 7670M Dual	644	755	NA	NA
Radeon HD 7640G + 7700M Dual	690	706	NA	NA
Radeon HD 7640G + 8500M Dual	585	817	NA	NA
Radeon HD 7640G + 8570M Dual	558	838	NA	NA
Radeon HD 7640G + 8600/8700M Dual	688	708	NA	NA
Radeon HD 7640G + 8670M Dual	558	837	NA	NA
Radeon HD 7640G + 8750M Dual	654	742	NA	NA
Radeon HD 7640G + HD 7400M Dual	615	784	NA	NA
Radeon HD 7640G + HD 7600M Dual	702	696	NA	NA
Radeon HD 7640G + HD 7670M Dual	659	739	NA	NA
Radeon HD 7640G + HD 7700M Dual	589	809	NA	NA
Radeon HD 7640G + HD 8500M Dual	607	791	NA	NA
Radeon HD 7640G + HD 8500M N HD 8500M Dual	665	728	NA	NA
Radeon HD 7640G + HD 8570M Dual	696	702	NA	NA
Radeon HD 7640G + HD 8600/8700M Dual	586	816	NA	NA
Radeon HD 7640G + HD 8750M Dual	992	499	NA	NA
Radeon HD 7640G + R5 M200 Dual	546	859	NA	NA
Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D	824	592	NA	NA
Radeon HD 7640G N HD 7640G + HD 7670M Dual	679	719	NA	NA
Radeon HD 7650A	793	609	3.03	\$262.00*
Radeon HD 7650M	721	674	NA	NA
Radeon HD 7660D	782	617	NA	NA
Radeon HD 7660D + 6570 Dual	1100	449	NA	NA
Radeon HD 7660D + 6670 Dual	1238	403	NA	NA
Radeon HD 7660D + 7470 Dual	465	922	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7660D + 7670 Dual	1061	460	NA	NA
Radeon HD 7660D + HD 6670 Dual	1484	346	NA	NA
Radeon HD 7660D + HD 7000 Dual	633	766	NA	NA
Radeon HD 7660D + HD 7700 Dual	1958	278	NA	NA
Radeon HD 7660D + R7 240 Dual	941	531	NA	NA
Radeon HD 7660G	799	606	NA	NA
Radeon HD 7660G + 7400M Dual	588	814	NA	NA
Radeon HD 7660G + 7470M Dual	630	769	NA	NA
Radeon HD 7660G + 7600M Dual	831	589	NA	NA
Radeon HD 7660G + 7610M Dual	745	654	NA	NA
Radeon HD 7660G + 7670M Dual	743	658	NA	NA
Radeon HD 7660G + 7700M Dual	757	643	NA	NA
Radeon HD 7660G + 7730M Dual	931	533	NA	NA
Radeon HD 7660G + 8600M Dual	445	931	NA	NA
Radeon HD 7660G + 8670M Dual	587	815	NA	NA
Radeon HD 7660G + HD 7500M/7600M Dual	999	496	NA	NA
Radeon HD 7660G + HD 7600M Dual	772	631	NA	NA
Radeon HD 7660G + HD 7670M Dual	706	693	NA	NA
Radeon HD 7660G + HD 7700M Dual	751	649	NA	NA
Radeon HD 7660G + HD 7730M Dual	881	560	NA	NA
Radeon HD 7660G + HD 8670M Dual	711	690	NA	NA
Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D	722	672	NA	NA
Radeon HD 7660G N HD 7660G + HD 7670M Dual	704	695	NA	NA
Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D	966	516	NA	NA
Radeon HD 7670	1112	443	NA	NA
Radeon HD 7670A	1048	469	NA	NA
Radeon HD 7670M	813	599	1.29	\$629.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7670M + 7670M Dual	738	663	NA	NA
Radeon HD 7690M	998	497	NA	NA
Radeon HD 7690M XT	1009	491	NA	NA
Radeon HD 7730	1428	354	28.58	\$49.99*
Radeon HD 7730M	981	510	NA	NA
Radeon HD 7750	1704	311	11.37	\$149.99
Radeon HD 7750M	1191	415	NA	NA
Radeon HD 7770	2218	247	46.73	\$47.48
Radeon HD 7790	3077	194	22.80	\$134.99*
Radeon HD 7850	3842	155	8.55	\$449.59
Radeon HD 7850M	1372	365	NA	NA
Radeon HD 7870	4375	132	14.63	\$299.00
Radeon HD 7870 XT	4465	126	NA	NA
Radeon HD 7870M	1507	343	NA	NA
Radeon HD 7950 / R9 280	4764	114	12.09	\$393.98
Radeon HD 7970 / R9 280X	5247	103	15.21	\$345.00
Radeon HD 7970M	3808	156	NA	NA
Radeon HD 7990	5544	95	4.92	\$1,126.99*
Radeon HD 8180	195	1115	NA	NA
Radeon HD 8210	251	1062	NA	NA
Radeon HD 8240	279	1036	NA	NA
Radeon HD 8250	258	1057	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8280	319	1007	NA	NA
Radeon HD 8280E	321	1004	NA	NA
Radeon HD 8280G	269	1044	NA	NA
Radeon HD 8330	336	997	NA	NA
Radeon HD 8330E	323	1003	NA	NA
Radeon HD 8350	265	1048	1.89	\$139.99*
Radeon HD 8350G	432	942	NA	NA
Radeon HD 8370D	433	941	NA	NA
Radeon HD 8400	357	980	NA	NA
Radeon HD 8400E	339	994	NA	NA
Radeon HD 8410G	435	939	NA	NA
Radeon HD 8450G	412	951	NA	NA
Radeon HD 8450G + 8600M Dual	545	863	NA	NA
Radeon HD 8450G + 8670M Dual	474	914	NA	NA
Radeon HD 8450G + 8750M Dual	637	760	NA	NA
Radeon HD 8450G + HD 8600M Dual	452	929	NA	NA
Radeon HD 8450G + HD 8670M Dual	574	824	NA	NA
Radeon HD 8450G + HD 8750M Dual	483	905	NA	NA
Radeon HD 8470	343	992	NA	NA
Radeon HD 8470D	519	881	NA	NA
Radeon HD 8470D + 6450 Dual	717	682	NA	NA
Radeon HD 8470D + HD 7500 Dual	1545	339	NA	NA
Radeon HD 8490	380	968	NA	NA
Radeon HD 8500M	564	833	NA	NA
Radeon HD 8500M/8700M	851	573	NA	NA
Radeon HD 8510G	506	892	NA	NA
Radeon HD 8510G + 8500M Dual	596	805	NA	NA
Radeon HD 8550D	685	713	NA	NA
Radeon HD 8550G	719	676	NA	NA
Radeon HD 8550G + 8500M Dual	602	795	NA	NA
Radeon HD 8550G + 8570M Dual	532	872	NA	NA
Radeon HD 8550G + 8600/8700M Dual	802	604	NA	NA
Radeon HD 8550G + 8600M Dual	617	779	NA	NA
Radeon HD 8550G + 8670M Dual	579	820	NA	NA
Radeon HD 8550G + 8690M Dual	664	730	NA	NA
Radeon HD 8550G + 8750M Dual	795	607	NA	NA
Radeon HD 8550G + HD 7600M Dual	854	570	NA	NA
Radeon HD 8550G + HD 8570M Dual	529	875	NA	NA
Radeon HD 8550G + HD 8600/8700M Dual	813	600	NA	NA
Radeon HD 8550G + HD 8600M Dual	593	806	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8550G + HD 8670M Dual	546	860	NA	NA
Radeon HD 8550G + HD 8750M Dual	819	597	NA	NA
Radeon HD 8550G + R5 M200 Dual	619	777	NA	NA
Radeon HD 8550G + R5 M230 Dual	667	726	NA	NA
Radeon HD 8570	984	506	NA	NA
Radeon HD 8570 + 8670D Dual	620	776	NA	NA
Radeon HD 8570D	681	716	NA	NA
Radeon HD 8570D + 6570 Dual	1239	402	NA	NA
Radeon HD 8570D + HD 6570 Dual	868	566	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8570D + HD 6670 Dual	1260	395	NA	NA
Radeon HD 8570D + HD 7000 Dual	753	647	NA	NA
Radeon HD 8570D + HD 7700 Dual	1834	293	NA	NA
Radeon HD 8570D + HD 8570 Dual	1032	476	NA	NA
Radeon HD 8570D + R7 200 Dual	999	494	NA	NA
Radeon HD 8570D + R7 240 Dual	963	518	NA	NA
Radeon HD 8570M	534	871	NA	NA
Radeon HD 8600/8700M	1034	475	NA	NA
Radeon HD 8610G	551	849	NA	NA
Radeon HD 8610G + 8500M Dual	610	789	NA	NA
Radeon HD 8610G + 8600M Dual	588	812	NA	NA
Radeon HD 8610G + 8670M Dual	599	800	NA	NA
Radeon HD 8610G + HD 8500M Dual	645	752	NA	NA
Radeon HD 8610G + HD 8600M Dual	579	819	NA	NA
Radeon HD 8610G + HD 8670M Dual	577	821	NA	NA
Radeon HD 8610G + R5 M200 Dual	676	721	NA	NA
Radeon HD 8650D	548	855	NA	NA
Radeon HD 8650G	925	539	NA	NA
Radeon HD 8650G + 7600M Dual	741	661	NA	NA
Radeon HD 8650G + 7670M Dual	883	559	NA	NA
Radeon HD 8650G + 8500M Dual	626	772	NA	NA
Radeon HD 8650G + 8570M Dual	654	743	NA	NA
Radeon HD 8650G + 8600/8700M Dual	831	588	NA	NA
Radeon HD 8650G + 8600M Dual	613	786	NA	NA
Radeon HD 8650G + 8670M Dual	638	758	NA	NA
Radeon HD 8650G + 8750M Dual	787	612	NA	NA
Radeon HD 8650G + HD 7600M Dual	819	596	NA	NA
Radeon HD 8650G + HD 7670M Dual	634	764	NA	NA
Radeon HD 8650G + HD 8570M Dual	716	685	NA	NA
Radeon HD 8650G + HD 8600/8700M Dual	765	637	NA	NA
Radeon HD 8650G + HD 8600M Dual	601	797	NA	NA
Radeon HD 8650G + HD 8670M Dual	589	810	NA	NA
Radeon HD 8650G + HD 8750M Dual	778	620	NA	NA
Radeon HD 8650G + R5 M200 Dual	722	673	NA	NA
Radeon HD 8650G + R5 M230 Dual	686	712	NA	NA
Radeon HD 8650G N HD 8650G + HD 8570M Dual	773	629	NA	NA
Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D	679	718	NA	NA
Radeon HD 8670D	781	618	NA	NA
Radeon HD 8670D + 6670 Dual	1361	368	NA	NA
Radeon HD 8670D + 7700 Dual	1788	301	NA	NA
Radeon HD 8670D + HD 6670 Dual	1221	408	NA	NA
Radeon HD 8670D + HD 7000 Dual	718	680	NA	NA
Radeon HD 8670D + R5 235 Dual	836	582	NA	NA
Radeon HD 8670D + R7 200 Dual	949	526	NA	NA
Radeon HD 8670D + R7 240 Dual	1020	486	NA	NA
Radeon HD 8670M	520	880	NA	NA
Radeon HD 8690A	919	543	NA	NA
Radeon HD 8690M	984	507	NA	NA
Radeon HD 8730M	1018	488	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8750M	1057	464	NA	NA
Radeon HD 8790M	1314	379	NA	NA
Radeon HD 8790M / R9 M290X	1236	404	NA	NA
Radeon HD 8850M	973	514	NA	NA
Radeon HD 8850M / R9 M265X	1139	432	NA	NA
Radeon HD 8870M	1638	320	NA	NA
Radeon HD 8870M / R9 M270X / M370X	1799	300	NA	NA
Radeon HD 8950	3047	196	NA	NA
Radeon HD 8970M	3876	153	NA	NA
Radeon HD 8990	4999	110	NA	NA
RADEON HD6370D	320	1006	NA	NA
RADEON HD6410D	422	946	NA	NA
RADEON HD6530D	531	873	NA	NA
Radeon HD7570	1028	480	NA	NA
Radeon HD8490	366	973	NA	NA
Radeon HD8530M	498	898	NA	NA
Radeon HD8970M	3237	181	NA	NA
Radeon IGP 320M	3	1617	NA	NA
Radeon IGP 340M	2	1649	NA	NA
RADEON IGP 345M	2	1642	NA	NA
RADEON IGP 350M	6	1555	NA	NA
Radeon Pro 450	2722	215	NA	NA
Radeon Pro 455	3112	191	NA	NA
Radeon Pro 460	3452	172	NA	NA
Radeon Pro 555	3140	188	NA	NA
Radeon Pro 560	3534	165	NA	NA
Radeon Pro 580	7753	62	NA	NA
Radeon Pro Duo	9445	39	21.04	\$449.00*
Radeon Pro SSG	11013	25	NA	NA
Radeon Pro Vega 20	6154	78	NA	NA
Radeon Pro Vega 56	11834	20	NA	NA
Radeon Pro Vega 64	10426	29	NA	NA
Radeon Pro WX 2100	2207	250	NA	NA
Radeon Pro WX 3100	3402	175	NA	NA
Radeon Pro WX 4100	3947	151	17.16	\$229.99
Radeon Pro WX 4130	2865	208	NA	NA
Radeon Pro WX 4150	3208	183	NA	NA
Radeon Pro WX 5100	5559	93	17.11	\$324.99
Radeon Pro WX 7100	7918	61	15.84	\$499.99
Radeon PRO WX 8200	10839	26	10.85	\$999.00
Radeon Pro WX 9100	10372	31	NA	NA
Radeon Pro WX4100	3953	150	NA	NA
Radeon R2	302	1020	NA	NA
Radeon R2E	257	1058	NA	NA
Radeon R3	372	970	NA	NA
Radeon R3E	256	1059	NA	NA
Radeon R4	396	962	NA	NA
Radeon R5 220	232	1074	NA	NA
Radeon R5 230	235	1072	5.55	\$42.34
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 235	372	971	1.44	\$257.99
Radeon R5 235 + HD 7560D Dual	743	657	NA	NA
Radeon R5 235X	367	972	NA	NA
Radeon R5 240	659	740	10.80	\$61.00
Radeon R5 310	337	996	0.75	\$449.00
Radeon R5 330	636	761	1.72	\$369.99*
Radeon R5 340	1041	471	NA	NA
Radeon R5 420	757	642	NA	NA
Radeon R5 430	1031	477	NA	NA
Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C	808	601	NA	NA
Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C	776	625	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	1463	348	NA	NA
Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G	1003	492	NA	NA
Radeon R5 M230	571	825	NA	NA
Radeon R5 M240	556	841	NA	NA
Radeon R5 M255	754	646	NA	NA
Radeon R5 M315	609	790	NA	NA
Radeon R5 M320	598	804	NA	NA
Radeon R5 M330	599	802	NA	NA
Radeon R5 M335	554	846	NA	NA
Radeon R5 M420	545	864	NA	NA
Radeon R5 M430	644	753	NA	NA
Radeon R5 Opteron X3216	438	937	NA	NA
Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G	819	598	NA	NA
Radeon R5 PRO A6-8530B R5, 6 COMPUTE CORES 2C+4G	689	707	NA	NA
Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G	1014	490	NA	NA
Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G	839	581	NA	NA
Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G	1167	422	NA	NA
Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G	693	704	NA	NA
Radeon R5 PRO A6-9500E R5, 6 COMPUTE CORES 2C+4G	955	524	NA	NA
Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G	849	575	NA	NA
Radeon R5E	338	995	NA	NA
Radeon R6	643	756	NA	NA
Radeon R6 + R7 M265DX Dual	570	826	NA	NA
Radeon R6 A10-8700P	688	710	NA	NA
Radeon R6 A8-8600P	501	897	NA	NA
Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G	569	828	NA	NA
Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G	604	794	NA	NA
Radeon R7 + HD 7700 Dual	1962	277	NA	NA
Radeon R7 + R5 330 Dual	1028	481	NA	NA
Radeon R7 + R5 435 Dual A10-9700 RADEON	885	557	NA	NA
Radeon R7 + R7 200 Dual	1289	386	NA	NA
Radeon R7 + R7 240 Dual	1045	470	NA	NA
Radeon R7 + R7 350 Dual	1982	275	NA	NA
Radeon R7 240	980	511	17.83	\$54.99
Radeon R7 240 + HD 8570D Dual	917	544	NA	NA
Radeon R7 240 + HD 8670D Dual	930	535	NA	NA
Radeon R7 250	1405	360	17.94	\$78.34
Radeon R7 250X	2268	241	8.70	\$260.70
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 260	2891	206	32.13	\$89.99*
Radeon R7 260X	3168	186	14.40	\$220.00
Radeon R7 340	1041	472	NA	NA
Radeon R7 360	3307	179	22.55	\$146.65*
Radeon R7 370	4643	120	NA	NA
Radeon R7 430	1411	358	8.29	\$170.15
Radeon R7 450	2190	252	27.38	\$79.99
Radeon R7 A10 Extreme Edition	776	624	NA	NA
Radeon R7 A10 PRO-7800B	724	670	NA	NA
Radeon R7 A10 PRO-7850B	962	519	NA	NA
Radeon R7 A10-7700K	895	552	NA	NA
Radeon R7 A10-7800	887	556	NA	NA
Radeon R7 A10-7850K	1019	487	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 A10-7860K	988	501	NA	NA
Radeon R7 A10-7870K	1127	435	NA	NA
Radeon R7 A10-7890K	1158	427	NA	NA
Radeon R7 A10-8750	988	502	NA	NA
Radeon R7 A10-8850	1107	444	NA	NA
Radeon R7 A10-9700 RADEON	1228	407	NA	NA
Radeon R7 A10-9700E RADEON	1105	447	NA	NA
Radeon R7 A12-9700P RADEON	742	659	NA	NA
Radeon R7 A12-9720P RADEON	930	534	NA	NA
Radeon R7 A12-9730P RADEON	929	536	NA	NA
Radeon R7 A12-9800 RADEON	1249	397	NA	NA
Radeon R7 A12-9800E RADEON	1185	416	NA	NA
Radeon R7 A265	987	505	NA	NA
Radeon R7 A370	1281	389	NA	NA
Radeon R7 A8 PRO-7600B	723	671	NA	NA
Radeon R7 A8-7500	1027	483	NA	NA
Radeon R7 A8-7500 Radeon R7, 10 Compute Cores 4C+6	853	571	NA	NA
Radeon R7 A8-7600	927	537	NA	NA
Radeon R7 A8-7650K	865	568	NA	NA
Radeon R7 A8-7670K	850	574	NA	NA
Radeon R7 A8-8650	910	548	NA	NA
Radeon R7 A8-9600 RADEON	1101	448	NA	NA
Radeon R7 FX-8800P	852	572	NA	NA
Radeon R7 FX-9800P RADEON	848	576	1.60	\$530.00
Radeon R7 FX-9830P RADEON	1776	303	NA	NA
Radeon R7 M260	688	709	0.86	\$799.00*
Radeon R7 M260X	1115	440	NA	NA
Radeon R7 M265	821	594	NA	NA
Radeon R7 M270	745	655	NA	NA
Radeon R7 M340	766	635	NA	NA
Radeon R7 M350	1235	405	NA	NA
Radeon R7 M360	711	689	NA	NA
Radeon R7 M365X	904	549	NA	NA
Radeon R7 M370	1410	359	NA	NA
Radeon R7 M440	956	523	NA	NA
Radeon R7 M445	1067	456	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 M460	1119	439	NA	NA
Radeon R7 M465	1306	382	NA	NA
Radeon R7 M465X	2057	264	NA	NA
Radeon R7 Opteron X3421	961	520	NA	NA
Radeon R7 PRO A10-8750B	921	541	NA	NA
Radeon R7 PRO A10-8770	1319	376	NA	NA
Radeon R7 PRO A10-8770E	1147	430	NA	NA
Radeon R7 PRO A10-8850B	945	529	NA	NA
Radeon R7 PRO A10-9700	1367	366	NA	NA
Radeon R7 PRO A10-9700B	1082	452	NA	NA
Radeon R7 PRO A10-9700E	1142	431	NA	NA
Radeon R7 PRO A12-8800B	786	613	NA	NA
Radeon R7 PRO A12-8830B	945	528	NA	NA
Radeon R7 PRO A12-8870	1375	364	NA	NA
Radeon R7 PRO A12-8870E	1160	426	NA	NA
Radeon R7 PRO A12-9800	1346	370	NA	NA
Radeon R7 PRO A12-9800B	820	595	NA	NA
Radeon R7 PRO A12-9800E	1030	479	NA	NA
Radeon R7 PRO A8-8650B	843	578	NA	NA
Radeon R7 PRO A8-9600	1049	468	NA	NA
Radeon R9 255	1800	299	5.19	\$347.00
Radeon R9 260	3018	199	NA	NA
Radeon R9 270 / R7 370	4261	140	27.85	\$152.99
Radeon R9 270X	4688	117	15.68	\$299.00
Radeon R9 280	5379	100	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R9 280X	5835	86	NA	NA
Radeon R9 285 / 380	5554	94	17.92	\$310.00
Radeon R9 290 / 390	7134	72	9.56	\$745.91*
Radeon R9 290X / 390X	7424	69	13.02	\$570.00
Radeon R9 295X2	7722	64	7.02	\$1,099.99*
Radeon R9 350	2241	245	40.75	\$54.99
Radeon R9 360	3038	197	5.86	\$519.00*
Radeon R9 370	4722	116	NA	NA
Radeon R9 380	6130	79	23.13	\$264.99*
Radeon R9 380X	6199	77	13.93	\$445.00
Radeon R9 390	8085	58	NA	NA
Radeon R9 390X	8539	51	NA	NA
Radeon R9 Fury	9148	44	22.87	\$399.99*
Radeon R9 Fury + Fury X	8435	53	21.09	\$399.99*
Radeon R9 M265X	1271	393	NA	NA
Radeon R9 M270X	1417	356	NA	NA
Radeon R9 M275	1114	441	1.59	\$699.99
Radeon R9 M275X / M375	1500	345	NA	NA
Radeon R9 M290X	4004	149	NA	NA
Radeon R9 M295X	5150	105	NA	NA
Radeon R9 M360	2018	273	NA	NA
Radeon R9 M370X	1926	285	NA	NA
Radeon R9 M375	1239	401	NA	NA
Radeon R9 M375X	2067	263	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R9 M380	3101	192	NA	NA
Radeon R9 M390X	4356	134	NA	NA
Radeon R9 M395	5006	109	NA	NA
Radeon R9 M395X	5757	88	NA	NA
Radeon R9 M470	2435	228	NA	NA
Radeon R9 M470X	3563	162	NA	NA
Radeon RX 460	4330	136	24.13	\$179.50
Radeon RX 470	7551	67	37.76	\$199.99
Radeon RX 480	8115	57	23.32	\$348.00
Radeon RX 540	2407	230	NA	NA
Radeon RX 550	3443	173	45.91	\$74.99
Radeon RX 560	4403	130	44.04	\$99.99
Radeon RX 570	6691	74	46.15	\$144.99
Radeon RX 580	8416	54	44.30	\$189.99
Radeon RX 590	9514	38	36.60	\$259.99
Radeon RX Vega	12297	17	36.17	\$339.99
Radeon RX Vega 11	2268	242	NA	NA
Radeon RX Vega 56	11696	21	NA	NA
Radeon RX Vega 64	11876	19	29.69	\$399.99
Radeon RX Vega 8	1759	305	NA	NA
Radeon RX Vega M GH	6959	73	NA	NA
Radeon RX Vega M GL	5249	102	NA	NA
Radeon TM R9 A360	2148	258	NA	NA
Radeon Vega 10 Mobile	1641	319	NA	NA
Radeon Vega 3	1105	446	NA	NA
Radeon Vega 3 Mobile	1067	455	NA	NA
Radeon Vega 6	1662	316	NA	NA
Radeon Vega 8	1777	302	NA	NA
Radeon Vega 8 Mobile	1635	321	NA	NA
Radeon Vega Frontier Edition	11115	24	18.53	\$599.99*
Radeon X1050	49	1389	NA	NA
Radeon X1200	32	1453	NA	NA
Radeon X1250	37	1432	NA	NA
Radeon X1270	31	1458	NA	NA
Radeon X1300	58	1366	0.57	\$101.99*
Radeon X1300 PRO	86	1287	NA	NA
Radeon X1550	65	1346	0.58	\$113.00*
Radeon X1550 64-bit	46	1397	NA	NA



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon X1600	49	1387	NA	NA
Radeon X1600 Pro	99	1251	NA	NA
Radeon X1600 Pro / X1300XT	69	1331	NA	NA
Radeon X1600 XT	115	1210	NA	NA
Radeon X1650 GTO	74	1316	NA	NA
Radeon X1650 Pro	84	1294	0.52	\$160.89*
Radeon X1650 SE	71	1326	NA	NA
Radeon X1700 Targa Edition	116	1207	NA	NA
Radeon X1800 GTO	140	1169	NA	NA
Radeon X1900 CrossFire Edition	137	1176	NA	NA
Radeon X1900 GT	145	1163	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon X1950 CrossFire Edition	151	1157	NA	NA
Radeon X1950 GT	109	1228	NA	NA
Radeon X1950 Pro	113	1217	NA	NA
RADEON X300SE	38	1429	NA	NA
RADEON X550	50	1382	NA	NA
RADEON X550XT	56	1373	NA	NA
Radeon X550XTX	70	1327	NA	NA
RADEON X600 256MB HyperMemory	58	1367	NA	NA
RADEON X600XT	91	1276	NA	NA
RADEON X700	73	1320	NA	NA
RADEON X700 PRO	75	1314	NA	NA
RADEON X700 SE	71	1325	NA	NA
RADEON X800 GT	84	1293	NA	NA
RADEON X800 GTO	76	1312	NA	NA
RADEON X800 PRO	64	1347	NA	NA
RADEON X800 PRO/GTO	73	1321	NA	NA
RADEON X800 XL	69	1330	NA	NA
RADEON X800 XT	97	1259	NA	NA
RADEON X800GT	79	1311	NA	NA
RADEON X850 PRO	72	1322	NA	NA
RADEON X850 XT	81	1307	NA	NA
RADEON X850 XT Platinum Edition	81	1301	NA	NA
Radeon Xpress 1100	33	1446	NA	NA
Radeon Xpress 1150	29	1462	NA	NA
Radeon Xpress 1200	35	1437	NA	NA
Radeon Xpress 1250	42	1411	NA	NA
Radeon Xpress 1270	26	1474	NA	NA
RADEON XPRESS 200	29	1463	NA	NA
RADEON XPRESS 200M	22	1491	NA	NA
RadeonT R5 430	1123	436	NA	NA
RadeonT R7 450	2185	253	NA	NA
RAGE 128 PRO AGP 4X TMDS	1	1658	NA	NA
Rage Fury Pro/Xpert 2000 Pro	3	1629	NA	NA
Red Hat QXL controller	31	1455	NA	NA
RGH Drivers v3	11	1526	NA	NA
RIVA TNT2 Model 64/Model 64 Pro	3	1611	NA	NA
RIVA TNT2/TNT2 Pro	3	1622	NA	NA
RV530 PRO	118	1204	NA	NA
Ryzen 5 2500U with Radeon Vega	1503	344	NA	NA
Ryzen 7 2700U with Radeon Vega	1617	324	NA	NA
S3 Chrome 430 ULP	39	1422	NA	NA
S3 Chrome S25 DDR2	18	1502	NA	NA
S3 ProSavageDDR	1	1657	NA	NA
SAPPHIRE RADEON 9600 ATLANTIS	47	1395	NA	NA
SAPPHIRE Radeon X1550	61	1356	NA	NA
Sapphire RADEON X800 GT	112	1220	NA	NA
Sherry 1.3 for GMA 3150	1	1653	NA	NA
Sherry 1.3.2 beta for 945 chipsets	3	1612	NA	NA
SiS 630/730	1	1656	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
SiS 650_651_M650_M652_740	3	1619	NA	NA
SiS 651	2	1637	NA	NA
SiS 661FX	3	1610	NA	NA
SiS 661FX/GX Mirage	4	1601	NA	NA
SiS 661FX_760_741_M661FX_M760_M741	4	1593	NA	NA
SiS 741	4	1592	NA	NA
SiS 760	5	1575	NA	NA
SiS M661MX	4	1602	NA	NA
SiS M760GX	3	1608	NA	NA
SiS Mirage	4	1596	NA	NA
SiS Mirage 3	2	1652	NA	NA
SUMO 9640	650	747	NA	NA
SUMO 964A	497	899	NA	NA
Tesla C2050	3487	170	NA	NA
Tesla C2050 / C2070	3428	174	NA	NA
Tesla C2070	3178	185	NA	NA
Tesla C2075	3364	176	1.48	\$2,269.99*
Tesla M60	7233	70	NA	NA
TITAN RTX	18712	2	7.49	\$2,499.99
TITAN V	14714	7	4.10	\$3,587.99
TITAN V CEO Edition	16987	4	NA	NA
TITAN Xp COLLECTORS EDITION	14759	6	NA	NA
TRINITY DEVASTATOR MOBILE	699	699	NA	NA
Vanta/Vanta LT	3	1631	NA	NA
VIA Chrome9 HC IGP	4	1595	NA	NA
VIA Chrome9 HC IGP Family	3	1607	NA	NA
VIA Chrome9 HC IGP Family WDDM	3	1620	NA	NA
VIA Chrome9 HC IGP Prerelease WDDM 1.1	2	1640	NA	NA
VIA Chrome9 HC IGP WDDM	2	1639	NA	NA
VIA Chrome9 HC IGP WDDM 1.1	2	1638	NA	NA
VIA Chrome9 HCM IGP	1	1654	NA	NA
VIA Chrome9 HD IGP	10	1528	NA	NA
VIA/S3G Chrome 645/640 GPU	109	1227	NA	NA
VIA/S3G DeltaChrome IGP	3	1624	NA	NA
VIA/S3G KM400/KN400	4	1600	NA	NA
VIA/S3G UniChrome IGP	4	1597	NA	NA
VIA/S3G UniChrome Pro IGP	4	1583	NA	NA
VIA/S3G UniChromell	5	1558	NA	NA
VirtualBox Adapter for Windows 8+	420	948	NA	NA
Wine Display Adapter	261	1052	NA	NA
Xabre	5	1573	NA	NA

\* - Last price seen from our affiliates.

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