

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-7560U @ 2.40GHz	5979	505	NA	NA
Intel Core i7-7567U @ 3.50GHz	6535	451	NA	NA
Intel Core i7-7600U @ 2.80GHz	5599	547	NA	NA
Intel Core i7-7660U @ 2.50GHz	6125	492	NA	NA
Intel Core i7-7700 @ 3.60GHz	10816	156	35.47	\$304.99
Intel Core i7-7700HQ @ 2.80GHz	8914	276	NA	NA
Intel Core i7-7700K @ 4.20GHz	12097	130	41.72	\$289.99
Intel Core i7-7700T @ 2.90GHz	9215	252	29.78	\$309.43
Intel Core i7-7740X @ 4.30GHz	12271	127	37.19	\$329.99
Intel Core i7-7800X @ 3.50GHz	14797	77	38.94	\$379.99
Intel Core i7-7820HK @ 2.90GHz	10088	188	NA	NA
Intel Core i7-7820HQ @ 2.90GHz	9435	236	NA	NA
Intel Core i7-7820X @ 3.60GHz	18595	32	33.21	\$559.99
Intel Core i7-7900X @ 3.30GHz	18804	29	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	10126	185	NA	NA
Intel Core i7-8550U @ 1.80GHz	8029	336	NA	NA
Intel Core i7-8650U @ 1.90GHz	9359	240	NA	NA
Intel Core i7-8700 @ 3.20GHz	15472	67	45.51	\$339.99*
Intel Core i7-8700K @ 3.70GHz	16274	57	40.19	\$404.99
Intel Core i9-7900X @ 3.30GHz	22596	7	23.30	\$969.99
Intel Core i9-7920X @ 2.90GHz	23600	5	19.99	\$1,180.78
Intel Core i9-7940X @ 3.10GHz	25358	3	18.28	\$1,387.32
Intel Core i9-7960X @ 2.80GHz	26287	2	15.46	\$1,700.02
Intel Core i9-7980XE @ 2.60GHz	27822	1	13.42	\$2,073.44
Intel Core m3-6Y30 @ 0.90GHz	3051	1054	NA	NA
Intel Core m3-7Y30 @ 1.00GHz	3539	917	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3527	922	NA	NA
Intel Core m5-6Y54 @ 1.10GHz	3325	971	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3229	998	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3550	915	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2741	1153	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2150	1358	NA	NA

Intel Core M-5Y10c @ 0.80GHz	2812	1129	10.01	\$281.00*
Intel Core M-5Y31 @ 0.90GHz	2763	1144	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2551	1209	NA	NA
Intel Core M-5Y70 @ 1.10GHz	3009	1065	NA	NA
Intel Core M-5Y71 @ 1.20GHz	3062	1050	10.90	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	395	2310	NA	NA
Intel Core Solo T1350 @ 1.86GHz	395	2311	NA	NA
Intel Core Solo T1400 @ 1.83GHz	472	2226	NA	NA
Intel Core Solo U1300 @ 1.06GHz	276	2465	NA	NA
Intel Core Solo U1400 @ 1.20GHz	282	2454	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2382	NA	NA
Intel E3000 @ 3.40GHz	2767	1140	NA	NA
Intel Pentium 4 1.40GHz	164	2570	NA	NA
Intel Pentium 4 1.50GHz	131	2586	NA	NA
Intel Pentium 4 1.60GHz	129	2588	NA	NA
Intel Pentium 4 1.70GHz	133	2585	NA	NA
Intel Pentium 4 1.80GHz	161	2573	NA	NA
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Intel Pentium 4 1.90GHz	159	2574	NA	NA
Intel Pentium 4 2.00GHz	189	2551	NA	NA
Intel Pentium 4 2.20GHz	210	2535	NA	NA
Intel Pentium 4 2.26GHz	221	2524	NA	NA
Intel Pentium 4 2.40GHz	228	2518	NA	NA
Intel Pentium 4 2.50GHz	245	2502	NA	NA
Intel Pentium 4 2.53GHz	248	2500	NA	NA
Intel Pentium 4 2.60GHz	288	2440	NA	NA
Intel Pentium 4 2.66GHz	254	2489	NA	NA
Intel Pentium 4 2.80GHz	322	2389	NA	NA
Intel Pentium 4 2.93GHz	303	2418	NA	NA
Intel Pentium 4 3.00GHz	353	2360	NA	NA
Intel Pentium 4 3.06GHz	347	2365	NA	NA
Intel Pentium 4 3.20GHz	375	2332	NA	NA
Intel Pentium 4 3.40GHz	396	2309	NA	NA

Intel Pentium 4 3.46GHz	487	2208	NA	NA
Intel Pentium 4 3.60GHz	490	2205	NA	NA
Intel Pentium 4 3.73GHz	486	2210	NA	NA
Intel Pentium 4 3.80GHz	485	2213	NA	NA
Intel Pentium 4 4.00GHz	184	2557	NA	NA
Intel Pentium 4 1300MHz	119	2591	NA	NA
Intel Pentium 4 1400MHz	127	2589	NA	NA
Intel Pentium 4 1500MHz	125	2590	NA	NA
Intel Pentium 4 1600MHz	193	2550	0.30	\$647.45*
Intel Pentium 4 1700MHz	154	2577	NA	NA
Intel Pentium 4 1800MHz	162	2572	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2580	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2546	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2563	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2538	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2565	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2536	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2542	NA	NA
Intel Pentium 5 2.66GHz	705	2087	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	1868	8.18	\$134.00*
Intel Pentium 967 @ 1.30GHz	1153	1838	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	1843	NA	NA
Intel Pentium 987 @ 1.50GHz	1223	1800	NA	NA
Intel Pentium 997 @ 1.60GHz	1460	1672	NA	NA
Intel Pentium 1403 @ 2.60GHz	2747	1151	NA	NA
Intel Pentium 2020M @ 2.40GHz	2295	1298	17.13	\$134.00*
Intel Pentium 2030M @ 2.50GHz	2415	1252	18.03	\$134.00*
Intel Pentium 2117U @ 1.80GHz	1652	1586	12.33	\$134.00*
Intel Pentium 2127U @ 1.90GHz	1829	1493	13.65	\$134.00*
Intel Pentium 2129Y @ 1.10GHz	1044	1893	7.80	\$134.00*
Intel Pentium 3550M @ 2.30GHz	2303	1292	NA	NA
Intel Pentium 3556U @ 1.70GHz	1710	1546	NA	NA
Intel Pentium 3558U @ 1.70GHz	1700	1556	NA	NA
Intel Pentium 3560M @ 2.40GHz	2275	1308	NA	NA

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Intel Pentium 3560Y @ 1.20GHz	1266	1778	NA	NA
Intel Pentium 3805U @ 1.90GHz	1994	1419	NA	NA
Intel Pentium 3825U @ 1.90GHz	2573	1206	NA	NA
Intel Pentium 4405U @ 2.10GHz	2977	1075	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2058	1394	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2119	1371	13.17	\$161.00*
Intel Pentium 4415U @ 2.30GHz	3210	1004	NA	NA
Intel Pentium A1018 @ 2.10GHz	1605	1607	NA	NA
Intel Pentium B940 @ 2.00GHz	1726	1539	57.65	\$29.94*
Intel Pentium B950 @ 2.10GHz	1710	1547	NA	NA
Intel Pentium B960 @ 2.20GHz	1856	1482	37.90	\$48.99*
Intel Pentium B970 @ 2.30GHz	1962	1429	38.48	\$50.99*
Intel Pentium B980 @ 2.40GHz	2047	1397	29.28	\$69.95*
Intel Pentium D 805 @ 2.66GHz	534	2174	NA	NA
Intel Pentium D 830 @ 3.00GHz	644	2114	NA	NA
Intel Pentium D 915 @ 2.80GHz	583	2144	NA	NA
Intel Pentium D 940 @ 3.20GHz	711	2083	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2067	NA	NA
Intel Pentium D 960 @ 3.60GHz	823	2033	NA	NA
Intel Pentium E2140 @ 1.60GHz	871	2009	32.64	\$26.70
Intel Pentium E2160 @ 1.80GHz	998	1927	24.95	\$40.00
Intel Pentium E2180 @ 2.00GHz	1087	1873	41.53	\$26.20
Intel Pentium E2200 @ 2.20GHz	1205	1812	7.63	\$157.95
Intel Pentium E2210 @ 2.20GHz	1174	1824	NA	NA
Intel Pentium E2220 @ 2.40GHz	1333	1732	8.44	\$157.95
Intel Pentium E5200 @ 2.50GHz	1488	1658	15.04	\$99.00
Intel Pentium E5300 @ 2.60GHz	1546	1633	67.28	\$22.99
Intel Pentium E5400 @ 2.70GHz	1597	1614	10.11	\$157.95
Intel Pentium E5500 @ 2.80GHz	1635	1593	10.36	\$157.95
Intel Pentium E5700 @ 3.00GHz	1744	1530	124.67	\$13.99
Intel Pentium E5800 @ 3.20GHz	1911	1452	42.48	\$44.99
Intel Pentium E6300 @ 2.80GHz	1703	1552	113.98	\$14.95*

Intel Pentium E6500 @ 2.93GHz	1762	1521	35.97	\$49.00
Intel Pentium E6600 @ 3.06GHz	1875	1477	133.96	\$14.00
Intel Pentium E6700 @ 3.20GHz	1947	1434	37.52	\$51.90
Intel Pentium E6800 @ 3.33GHz	2032	1404	2.44	\$831.38*
Intel Pentium Extreme Edition 955 @ 3.46GHz	905	1996	1.19	\$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	969	1949	NA	NA
Intel Pentium G620 @ 2.60GHz	2302	1294	92.12	\$24.99
Intel Pentium G620T @ 2.20GHz	2052	1396	25.66	\$79.99*
Intel Pentium G630 @ 2.70GHz	2367	1272	94.74	\$24.99
Intel Pentium G630T @ 2.30GHz	2123	1370	26.54	\$79.99*
Intel Pentium G640 @ 2.80GHz	2525	1217	101.06	\$24.99
Intel Pentium G640T @ 2.40GHz	1906	1454	NA	NA
Intel Pentium G645 @ 2.90GHz	2600	1192	27.37	\$95.00*
Intel Pentium G645T @ 2.50GHz	2313	1288	NA	NA
Intel Pentium G840 @ 2.80GHz	2573	1205	42.90	\$59.99*
Intel Pentium G850 @ 2.90GHz	2663	1171	95.17	\$27.99
Intel Pentium G860 @ 3.00GHz	2754	1148	91.85	\$29.99
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Intel Pentium G870 @ 3.10GHz	2836	1118	29.24	\$97.00*
Intel Pentium G2010 @ 2.80GHz	2618	1184	72.76	\$35.99
Intel Pentium G2020 @ 2.90GHz	2767	1141	81.76	\$33.85
Intel Pentium G2020T @ 2.50GHz	2486	1231	38.85	\$64.00*
Intel Pentium G2030 @ 3.00GHz	2882	1105	70.32	\$40.99
Intel Pentium G2030T @ 2.60GHz	2470	1236	38.60	\$64.00*
Intel Pentium G2100T @ 2.60GHz	2802	1133	NA	NA
Intel Pentium G2120 @ 3.10GHz	3074	1042	19.34	\$158.95*
Intel Pentium G2130 @ 3.20GHz	3212	1003	37.80	\$84.99
Intel Pentium G2140 @ 3.30GHz	3387	958	41.27	\$82.08
Intel Pentium G3220 @ 3.00GHz	3148	1026	30.69	\$102.60*
Intel Pentium G3220T @ 2.60GHz	2603	1190	65.10	\$39.99*
Intel Pentium G3240 @ 3.10GHz	3182	1011	44.90	\$70.88*
Intel Pentium G3240T @ 2.70GHz	2936	1089	NA	NA
Intel Pentium G3250 @ 3.20GHz	3262	987	34.36	\$94.95

Intel Pentium G3250T @ 2.80GHz	2970	1077	64.59	\$45.99*
Intel Pentium G3258 @ 3.20GHz	3908	833	27.32	\$143.10
Intel Pentium G3260 @ 3.30GHz	3383	959	36.24	\$93.36
Intel Pentium G3260T @ 2.90GHz	2919	1090	29.20	\$99.99
Intel Pentium G3320TE @ 2.30GHz	2389	1261	NA	NA
Intel Pentium G3420 @ 3.20GHz	3416	950	16.96	\$201.41*
Intel Pentium G3420T @ 2.70GHz	3008	1066	30.09	\$99.99
Intel Pentium G3430 @ 3.30GHz	3475	935	29.92	\$116.15*
Intel Pentium G3440 @ 3.30GHz	3277	981	18.74	\$174.86*
Intel Pentium G3440T @ 2.80GHz	3101	1038	NA	NA
Intel Pentium G3450 @ 3.40GHz	3707	882	21.13	\$175.48*
Intel Pentium G3450T @ 2.90GHz	2967	1078	NA	NA
Intel Pentium G3460 @ 3.50GHz	3603	902	12.50	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3702	883	35.50	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3580	908	66.80	\$53.60
Intel Pentium G4400T @ 2.90GHz	3246	994	NA	NA
Intel Pentium G4500 @ 3.50GHz	3794	859	52.71	\$71.99
Intel Pentium G4500T @ 3.00GHz	3471	937	NA	NA
Intel Pentium G4520 @ 3.60GHz	4195	776	45.52	\$92.16
Intel Pentium G4560 @ 3.50GHz	4924	646	51.46	\$95.69*
Intel Pentium G4560T @ 2.90GHz	4167	783	NA	NA
Intel Pentium G4600 @ 3.60GHz	5137	608	52.99	\$96.95
Intel Pentium G4600T @ 3.00GHz	4328	753	NA	NA
Intel Pentium G4620 @ 3.70GHz	5283	594	52.84	\$99.99*
Intel Pentium G6950 @ 2.80GHz	1843	1485	25.06	\$73.59
Intel Pentium G6951 @ 2.80GHz	2311	1289	24.59	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2097	1380	NA	NA
Intel Pentium III 933S @ 933MHz	238	2510	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2450	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2462	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2408	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2428	NA	NA
Intel Pentium III 1400S @ 1400MHz	301	2422	NA	NA
Intel Pentium III Mobile 750MHz	103	2594	NA	NA

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Intel Pentium III Mobile 800MHz	182	2561	NA	NA
Intel Pentium III Mobile 866MHz	152	2578	NA	NA
Intel Pentium III Mobile 933MHz	218	2526	8.58	\$25.51*
Intel Pentium III Mobile 1000MHz	245	2501	NA	NA
Intel Pentium III Mobile 1066MHz	268	2474	NA	NA
Intel Pentium III Mobile 1133MHz	251	2494	NA	NA
Intel Pentium III Mobile 1200MHz	262	2482	NA	NA
Intel Pentium J2850 @ 2.41GHz	1826	1494	NA	NA
Intel Pentium J2900 @ 2.41GHz	1978	1424	NA	NA
Intel Pentium J3710 @ 1.60GHz	1992	1420	NA	NA
Intel Pentium J4205 @ 1.50GHz	2300	1295	NA	NA
Intel Pentium M 1.10GHz	282	2453	NA	NA
Intel Pentium M 1.20GHz	298	2426	NA	NA
Intel Pentium M 1.30GHz	301	2421	NA	NA
Intel Pentium M 1.40GHz	345	2369	NA	NA
Intel Pentium M 1.50GHz	368	2342	NA	NA
Intel Pentium M 1.60GHz	364	2348	NA	NA
Intel Pentium M 1.70GHz	405	2296	NA	NA
Intel Pentium M 1.73GHz	415	2283	NA	NA
Intel Pentium M 1.80GHz	406	2293	NA	NA
Intel Pentium M 1.86GHz	437	2261	NA	NA
Intel Pentium M 2.00GHz	465	2229	NA	NA
Intel Pentium M 2.10GHz	448	2249	NA	NA
Intel Pentium M 2.13GHz	509	2191	NA	NA
Intel Pentium M 2.26GHz	509	2192	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2217	NA	NA
Intel Pentium M 900MHz	217	2529	NA	NA
Intel Pentium M 1000MHz	233	2515	NA	NA
Intel Pentium M 1100MHz	259	2485	NA	NA
Intel Pentium M 1200MHz	237	2511	NA	NA
Intel Pentium M 1300MHz	303	2415	NA	NA
Intel Pentium M 1400MHz	321	2390	NA	NA

Intel Pentium M 1500MHz	354	2357	NA	NA
Intel Pentium M 1600MHz	345	2370	NA	NA
Intel Pentium M 1700MHz	376	2331	NA	NA
Intel Pentium N3510 @ 1.99GHz	1525	1643	NA	NA
Intel Pentium N3520 @ 2.16GHz	1795	1508	NA	NA
Intel Pentium N3530 @ 2.16GHz	1890	1463	NA	NA
Intel Pentium N3540 @ 2.16GHz	1945	1436	7.76	\$250.87*
Intel Pentium N3700 @ 1.60GHz	1852	1483	4.16	\$444.78*
Intel Pentium N3710 @ 1.60GHz	1943	1438	NA	NA
Intel Pentium N4200 @ 1.10GHz	2002	1414	NA	NA
Intel Pentium P6000 @ 1.87GHz	1253	1783	NA	NA
Intel Pentium P6100 @ 2.00GHz	1325	1736	110.42	\$12.00*
Intel Pentium P6200 @ 2.13GHz	1345	1727	22.44	\$59.99*
Intel Pentium P6300 @ 2.27GHz	1395	1702	NA	NA
Intel Pentium SU2700 @ 1.30GHz	407	2291	NA	NA
Intel Pentium SU4100 @ 1.30GHz	863	2010	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2023	NA	NA
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Intel Pentium T2060 @ 1.60GHz	672	2103	NA	NA
Intel Pentium T2080 @ 1.73GHz	708	2085	4.43	\$159.95*
Intel Pentium T2130 @ 1.86GHz	710	2084	NA	NA
Intel Pentium T2310 @ 1.46GHz	723	2075	NA	NA
Intel Pentium T2330 @ 1.60GHz	835	2028	NA	NA
Intel Pentium T2370 @ 1.73GHz	847	2020	24.21	\$35.00*
Intel Pentium T2390 @ 1.86GHz	940	1973	NA	NA
Intel Pentium T2410 @ 2.00GHz	996	1929	NA	NA
Intel Pentium T3200 @ 2.00GHz	1027	1904	85.66	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1113	1853	79.56	\$14.00
Intel Pentium T4200 @ 2.00GHz	1148	1842	95.71	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1240	1792	NA	NA
Intel Pentium T4400 @ 2.20GHz	1282	1768	NA	NA
Intel Pentium T4500 @ 2.30GHz	1336	1730	NA	NA
Intel Pentium U5400 @ 1.20GHz	838	2027	NA	NA

Intel Pentium U5600 @ 1.33GHz	977	1943	NA	NA
Intel T1200 @ 1.50GHz	435	2266	NA	NA
Intel T1400 @ 1.73GHz	917	1987	NA	NA
Intel T1500 @ 1.86GHz	965	1952	NA	NA
Intel T2050 @ 2.00GHz	959	1961	NA	NA
Intel Xeon 2.00GHz	233	2514	NA	NA
Intel XEON 2.20GHz	252	2492	NA	NA
Intel Xeon 2.40GHz	276	2466	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2265	NA	NA
Intel Xeon 2.80GHz	400	2305	NA	NA
Intel Xeon 3.00GHz	391	2317	NA	NA
Intel Xeon 3.06GHz	491	2202	NA	NA
Intel Xeon 3.20GHz	461	2234	NA	NA
Intel Xeon 3.40GHz	478	2220	NA	NA
Intel Xeon 3.60GHz	500	2196	0.59	\$851.00*
Intel Xeon 3.73GHz	1041	1896	NA	NA
Intel Xeon 3.80GHz	604	2135	0.71	\$851.00*
Intel Xeon 1500MHz	193	2549	NA	NA
Intel Xeon 3040 @ 1.86GHz	1284	1764	51.31	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1311	1741	52.04	\$25.20*
Intel Xeon 3060 @ 2.40GHz	1518	1648	52.94	\$28.69*
Intel Xeon 3065 @ 2.33GHz	1504	1654	71.99	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1776	1515	4.34	\$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1489	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	1628	NA	NA
Intel Xeon 5110 @ 1.60GHz	1079	1880	110.30	\$9.79*
Intel Xeon 5120 @ 1.86GHz	1249	1787	0.76	\$1,635.28*
Intel Xeon 5130 @ 2.00GHz	1378	1708	140.79	\$9.79*
Intel Xeon 5133 @ 2.20GHz	1598	1612	NA	NA
Intel Xeon 5140 @ 2.33GHz	1639	1592	62.57	\$26.20*
Intel Xeon 5148 @ 2.33GHz	1590	1616	39.78	\$39.99*
Intel Xeon 5150 @ 2.66GHz	1750	1526	109.48	\$15.99*
Intel Xeon 5160 @ 3.00GHz	1968	1428	134.82	\$14.60*
Intel Xeon D-1518 @ 2.20GHz	4700	678	NA	NA

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Intel Xeon D-1520 @ 2.20GHz	6396	468	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	414	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8612	298	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9730	215	27.96	\$348.00*
Intel Xeon D-1540 @ 2.00GHz	10573	161	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11184	144	NA	NA
Intel Xeon D-1559 @ 1.50GHz	8055	332	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14693	79	NA	NA
Intel Xeon D-1587 @ 1.70GHz	13950	94	NA	NA
Intel Xeon E3-1220 @ 3.10GHz	6086	496	11.94	\$509.95
Intel Xeon E3-1220 V2 @ 3.10GHz	6637	444	20.17	\$329.10
Intel Xeon E3-1220 v3 @ 3.10GHz	6966	417	29.56	\$235.68
Intel Xeon E3-1220 v5 @ 3.00GHz	7684	360	29.01	\$264.91
Intel Xeon E3-1220 v6 @ 3.00GHz	8261	313	38.61	\$213.97
Intel Xeon E3-1220L @ 2.20GHz	3563	913	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4427	730	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2110	1374	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	5930	508	27.44	\$216.10
Intel Xeon E3-1225 V2 @ 3.20GHz	6834	426	20.11	\$339.95*
Intel Xeon E3-1225 v3 @ 3.20GHz	7172	399	18.70	\$383.62
Intel Xeon E3-1225 v5 @ 3.30GHz	7839	347	31.35	\$250.09
Intel Xeon E3-1225 v6 @ 3.30GHz	8163	323	33.19	\$245.98
Intel Xeon E3-1226 v3 @ 3.30GHz	7565	367	17.99	\$420.52*
Intel Xeon E3-1230 @ 3.20GHz	7939	343	18.54	\$428.35
Intel Xeon E3-1230 V2 @ 3.30GHz	8862	280	24.62	\$359.95
Intel Xeon E3-1230 v3 @ 3.30GHz	9332	244	35.67	\$261.66
Intel Xeon E3-1230 v5 @ 3.40GHz	9720	216	31.71	\$306.54*
Intel Xeon E3-1230 v6 @ 3.50GHz	10223	180	37.87	\$269.99
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	393	25.12	\$287.90
Intel Xeon E3-1231 v3 @ 3.40GHz	9631	221	29.20	\$329.87
Intel Xeon E3-1235 @ 3.20GHz	7680	361	26.76	\$287.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6352	472	NA	NA

Intel Xeon E3-1240 @ 3.30GHz	8002	339	38.29	\$209.00
Intel Xeon E3-1240 V2 @ 3.40GHz	9213	253	30.32	\$303.87
Intel Xeon E3-1240 v3 @ 3.40GHz	9711	218	32.37	\$299.99*
Intel Xeon E3-1240 v5 @ 3.50GHz	10368	170	32.10	\$323.01
Intel Xeon E3-1240 v6 @ 3.70GHz	10869	155	35.41	\$306.97
Intel Xeon E3-1240L v3 @ 2.00GHz	7487	373	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7824	348	28.15	\$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10045	193	21.41	\$469.25
Intel Xeon E3-1245 @ 3.30GHz	8044	334	30.94	\$260.00
Intel Xeon E3-1245 V2 @ 3.40GHz	9104	260	19.71	\$461.92*
Intel Xeon E3-1245 v3 @ 3.40GHz	9581	224	18.76	\$510.70
Intel Xeon E3-1245 v5 @ 3.50GHz	10331	173	29.67	\$348.23
Intel Xeon E3-1245 v6 @ 3.70GHz	10445	168	32.85	\$317.98
Intel Xeon E3-1246 v3 @ 3.50GHz	9905	202	11.69	\$847.05*
Intel Xeon E3-1260L @ 2.40GHz	6534	452	20.22	\$323.17*
Intel Xeon E3-1260L v5 @ 2.90GHz	10067	190	31.15	\$323.17*
Intel Xeon E3-1265L @ 2.40GHz	6038	501	6.58	\$918.35*
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Xeon E3-1265L V2 @ 2.50GHz	7779	352	54.62	\$142.42*
Intel Xeon E3-1265L v3 @ 2.50GHz	8713	290	23.97	\$363.52
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	346	NA	NA
Intel Xeon E3-1270 @ 3.40GHz	8239	315	22.33	\$369.00
Intel Xeon E3-1270 V2 @ 3.50GHz	9484	232	39.35	\$240.99
Intel Xeon E3-1270 v3 @ 3.50GHz	9860	206	26.65	\$369.99*
Intel Xeon E3-1270 v5 @ 3.60GHz	10260	176	28.11	\$364.98
Intel Xeon E3-1270 v6 @ 3.80GHz	11214	142	31.61	\$354.82
Intel Xeon E3-1271 v3 @ 3.60GHz	10090	187	16.37	\$616.53*
Intel Xeon E3-1275 @ 3.40GHz	8348	309	22.87	\$364.99*
Intel Xeon E3-1275 V2 @ 3.50GHz	9344	243	11.73	\$796.89
Intel Xeon E3-1275 v3 @ 3.50GHz	9868	204	24.61	\$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10357	172	28.77	\$359.99*
Intel Xeon E3-1275 v6 @ 3.80GHz	10964	151	29.24	\$374.97
Intel Xeon E3-1275L v3 @ 2.70GHz	8746	287	NA	NA

Intel Xeon E3-1276 v3 @ 3.60GHz	10224	179	22.51	\$454.11*
Intel Xeon E3-1280 @ 3.50GHz	8473	304	9.96	\$851.20
Intel Xeon E3-1280 V2 @ 3.60GHz	9663	220	14.98	\$644.99*
Intel Xeon E3-1280 v3 @ 3.60GHz	9720	217	13.94	\$697.36*
Intel Xeon E3-1280 v5 @ 3.70GHz	10666	159	16.29	\$654.99*
Intel Xeon E3-1280 v6 @ 3.90GHz	11262	140	NA	NA
Intel Xeon E3-1281 v3 @ 3.70GHz	10359	171	11.80	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10252	177	NA	NA
Intel Xeon E3-1285L v3 @ 3.10GHz	9934	200	24.29	\$409.00
Intel Xeon E3-1285L v4 @ 3.40GHz	11224	141	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	203	11.80	\$839.00*
Intel Xeon E3-1290 @ 3.60GHz	8704	291	9.84	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9744	213	11.01	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	7082	407	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8993	273	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	10012	194	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10509	163	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9261	249	NA	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10663	160	NA	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10494	164	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10708	158	NA	NA
Intel Xeon E3-1585 v5 @ 3.50GHz	10483	165	NA	NA
Intel Xeon E5-1410 @ 2.80GHz	7312	389	NA	NA
Intel Xeon E5-1410 v2 @ 2.80GHz	7420	377	NA	NA
Intel Xeon E5-1603 @ 2.80GHz	5514	558	33.42	\$164.99*
Intel Xeon E5-1603 v3 @ 2.80GHz	6090	495	NA	NA
Intel Xeon E5-1603 v4 @ 2.80GHz	6325	474	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5824	522	211.80	\$27.50*
Intel Xeon E5-1607 v2 @ 3.00GHz	6134	489	19.60	\$313.00*
Intel Xeon E5-1607 v3 @ 3.10GHz	6930	419	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7352	385	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9094	262	24.87	\$365.72
Intel Xeon E5-1620 v2 @ 3.70GHz	9507	229	28.90	\$329.00
Intel Xeon E5-1620 v3 @ 3.50GHz	9782	211	28.01	\$349.29

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	10012	195	32.40	\$308.99
Intel Xeon E5-1630 v3 @ 3.70GHz	10246	178	17.14	\$597.85*
Intel Xeon E5-1630 v4 @ 3.70GHz	10271	175	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11766	135	67.24	\$175.00
Intel Xeon E5-1650 v2 @ 3.50GHz	12671	118	19.50	\$649.95
Intel Xeon E5-1650 v3 @ 3.50GHz	13584	104	20.46	\$663.98
Intel Xeon E5-1650 v4 @ 3.60GHz	14247	85	22.62	\$629.99*
Intel Xeon E5-1660 @ 3.30GHz	12418	122	10.12	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13790	97	7.62	\$1,808.95*
Intel Xeon E5-1660 v3 @ 3.00GHz	14378	84	8.90	\$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16276	56	NA	NA
Intel Xeon E5-1680 v2 @ 3.00GHz	17102	42	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16673	47	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	16959	44	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18282	33	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3475	934	8.92	\$389.69
Intel Xeon E5-2403 v2 @ 1.80GHz	3492	928	15.67	\$222.84*
Intel Xeon E5-2407 @ 2.20GHz	3795	857	11.33	\$335.02
Intel Xeon E5-2407 v2 @ 2.40GHz	4575	703	9.61	\$476.31*
Intel Xeon E5-2418L @ 2.00GHz	5202	599	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7139	402	18.31	\$390.02
Intel Xeon E5-2420 v2 @ 2.20GHz	8646	297	18.02	\$479.90
Intel Xeon E5-2430 @ 2.20GHz	6878	423	15.42	\$446.02
Intel Xeon E5-2430 v2 @ 2.50GHz	8608	299	37.27	\$230.99
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	446	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9319	246	12.51	\$745.03
Intel Xeon E5-2440 v2 @ 1.90GHz	9425	237	14.50	\$650.20*
Intel Xeon E5-2450 @ 2.10GHz	10186	182	16.88	\$603.52
Intel Xeon E5-2450L @ 1.80GHz	7389	383	113.70	\$64.99
Intel Xeon E5-2470 @ 2.30GHz	10061	191	6.80	\$1,479.99*
Intel Xeon E5-2603 @ 1.80GHz	3570	911	8.62	\$414.46*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	869	11.81	\$319.02

Intel Xeon E5-2603 v3 @ 1.60GHz	5140	607	23.37	\$219.99
Intel Xeon E5-2603 v4 @ 1.70GHz	5621	543	24.44	\$229.99*
Intel Xeon E5-2609 @ 2.40GHz	4594	698	41.79	\$109.96
Intel Xeon E5-2609 v2 @ 2.50GHz	5091	615	12.57	\$405.01
Intel Xeon E5-2609 v3 @ 1.90GHz	5934	507	15.83	\$375.02
Intel Xeon E5-2609 v4 @ 1.70GHz	6896	422	19.16	\$359.84
Intel Xeon E5-2618L v3 @ 2.30GHz	12508	121	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14592	81	18.73	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7957	342	77.59	\$102.56
Intel Xeon E5-2620 v2 @ 2.10GHz	8691	292	19.24	\$451.79
Intel Xeon E5-2620 v3 @ 2.40GHz	9992	198	23.24	\$429.99*
Intel Xeon E5-2620 v4 @ 2.10GHz	11341	138	26.38	\$430.00
Intel Xeon E5-2623 v3 @ 3.00GHz	9024	268	22.28	\$404.99*
Intel Xeon E5-2623 v4 @ 2.60GHz	8061	331	14.68	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	239	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12405	123	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13041	109	9.56	\$1,364.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	149	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8898	277	55.61	\$160.02
Intel Xeon E5-2630 v2 @ 2.60GHz	10461	166	24.42	\$428.45
Intel Xeon E5-2630 v3 @ 2.40GHz	12819	114	17.56	\$730.19
Intel Xeon E5-2630 v4 @ 2.20GHz	13994	91	20.29	\$689.71
Intel Xeon E5-2630L @ 2.00GHz	7900	344	NA	NA
Intel Xeon E5-2630L v3 @ 1.80GHz	9216	251	12.26	\$751.92*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	113	NA	NA
Intel Xeon E5-2637 v2 @ 3.50GHz	9476	233	8.70	\$1,089.70*
Intel Xeon E5-2637 v3 @ 3.50GHz	10281	174	7.93	\$1,295.95*
Intel Xeon E5-2637 v4 @ 3.50GHz	10052	192	8.85	\$1,136.00*
Intel Xeon E5-2640 @ 2.50GHz	9498	230	105.74	\$89.83
Intel Xeon E5-2640 v2 @ 2.00GHz	9914	201	11.14	\$889.99*
Intel Xeon E5-2640 v3 @ 2.60GHz	13965	93	14.32	\$975.24*
Intel Xeon E5-2640 v4 @ 2.40GHz >> Compare	15306	70	15.68	\$975.99

Intel Xeon E5-2643 @ 3.30GHz	8490	303	15.99	\$531.10
Intel Xeon E5-2643 v2 @ 3.50GHz	12324	126	5.60	\$2,200.00*
Intel Xeon E5-2643 v3 @ 3.40GHz	13852	95	5.52	\$2,509.95*
Intel Xeon E5-2643 v4 @ 3.40GHz	13395	105	7.67	\$1,746.43*
Intel Xeon E5-2648L v3 @ 1.80GHz	12332	125	NA	NA
Intel Xeon E5-2648L v4 @ 1.80GHz	12883	112	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10155	183	83.44	\$121.70
Intel Xeon E5-2650 v2 @ 2.60GHz	13006	110	16.59	\$783.99
Intel Xeon E5-2650 v3 @ 2.30GHz	14927	76	14.23	\$1,048.88
Intel Xeon E5-2650 v4 @ 2.20GHz	16142	59	13.80	\$1,169.99*
Intel Xeon E5-2650L @ 1.80GHz	8676	293	54.26	\$159.90*
Intel Xeon E5-2650L v3 @ 1.80GHz	13392	106	13.26	\$1,010.00*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	89	9.42	\$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11275	139	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9484	231	6.49	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	14128	88	NA	NA
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	54	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	16290	55	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11118	145	101.07	\$110.00
Intel Xeon E5-2660 v2 @ 2.20GHz	13634	101	25.85	\$527.50*
Intel Xeon E5-2660 v3 @ 2.60GHz	16161	58	10.56	\$1,529.95
Intel Xeon E5-2660 v4 @ 2.00GHz	18816	28	12.55	\$1,498.77*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	92	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11776	134	83.23	\$141.50*
Intel Xeon E5-2667 @ 2.90GHz	10380	169	55.32	\$187.65*
Intel Xeon E5-2667 v2 @ 3.30GHz	16506	51	21.75	\$759.00
Intel Xeon E5-2667 v3 @ 3.20GHz	16101	60	7.12	\$2,259.95*
Intel Xeon E5-2667 v4 @ 3.20GHz	16654	48	7.85	\$2,121.10
Intel Xeon E5-2670 @ 2.60GHz	12239	128	54.05	\$226.45
Intel Xeon E5-2670 v2 @ 2.50GHz	14969	75	65.55	\$228.37
Intel Xeon E5-2670 v3 @ 2.30GHz	16619	49	10.00	\$1,661.33
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	53	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16982	43	24.26	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21463	14	NA	NA

