

# High End CPUs - Intel vs AMD

This chart comparing high end CPUs is made using thousands of [PerformanceTest](#) benchmark results and is updated daily. These are the high end AMD and Intel CPUs are typically those found in newer computers. The chart below compares the performance of Intel Xeon CPUs, Intel Core i7/i9 CPUs, AMD Ryzen/Threadripper CPUs and AMD Epyc with multiple cores. Intel processors vs AMD chips - find out which CPUs performance is best for your new gaming rig or server!

CPU Mark

Price Performance

## PassMark - CPU Mark

High End CPUs

Updated 26th of June 2024

CPU	CPU Mark	Price (USD)
AMD Ryzen Threadripper PRO 7995WX	154,671	\$9,999.00*
AMD Ryzen Threadripper PRO 7985WX	135,394	\$7,349.00
AMD Ryzen Threadripper 7980X	135,107	\$4,992.16
AMD EPYC 9654	122,164	\$4,695.00
AMD EPYC 9684X	120,780	\$7,987.00*
AMD EPYC 9R14	116,475	NA
AMD EPYC 9654P	113,949	\$5,987.00*
AMD EPYC 9554	111,635	\$2,600.00
AMD EPYC 9554P	109,858	\$4,450.00
AMD EPYC 9634	107,944	\$3,950.00
AMD EPYC 9474F	105,003	\$3,950.00
AMD EPYC 9754	97,836	\$7,450.00
AMD Ryzen Threadripper 7970X	97,354	\$2,399.00
AMD EPYC 9454P	96,124	\$3,250.00
AMD Ryzen Threadripper PRO 7975WX	94,612	\$4,134.56
AMD Ryzen Threadripper PRO 5995WX	93,192	\$4,939.99
AMD EPYC 7773X	91,491	\$1,950.00
Intel Xeon w9-3495X	91,358	\$5,889.00*
Intel Xeon Platinum 8470 @2.00GHz	89,850	\$9,359.00*
AMD EPYC 9534	88,716	\$4,699.99
Intel Xeon Max 9480	87,420	\$920.40
AMD EPYC 7J13	84,786	NA
AMD EPYC 7763	84,522	\$1,691.45
AMD Ryzen Threadripper PRO 3995WX	83,720	\$2,549.95
AMD Ryzen Threadripper 7960X	83,320	\$1,397.00
AMD Ryzen Threadripper PRO 7965WX	83,123	\$2,649.00
AMD EPYC 7V13	82,878	NA

	PassMark Intel vs AMD CPU Benchmarks - High End		
AMD Ryzen Threadripper PRO 5975WX		73,763	\$2,249.99
Intel Xeon Platinum 8461V		74,982	\$4,491.00*
AMD EPYC 7C13		73,941	NA
AMD EPYC 9274F		73,463	\$2,995.00
AMD EPYC 7662		72,653	\$3,999.99*
AMD EPYC 8534P		71,900	NA
AMD EPYC 7702		69,872	\$1,398.95
AMD EPYC 7H12		69,633	\$1,749.95
AMD EPYC 7573X		69,432	\$5,250.00
AMD EPYC 7742		69,183	\$1,695.89
AMD EPYC 9254		68,988	\$1,995.00
AMD EPYC 75F3		68,505	\$4,978.00
Intel Xeon Platinum 8571N		68,385	NA
AMD EPYC 9354		67,842	\$2,895.00
AMD Ryzen Threadripper PRO 5965WX		66,689	\$1,999.99
AMD EPYC 7543P		66,687	\$1,626.92
AMD EPYC 8434P		66,490	NA
AMD EPYC 7B12		66,044	NA
Intel Xeon w7-3465X		65,879	\$2,889.00*
Intel Xeon Gold 6530		65,533	\$2,128.00*
Intel Xeon w9-3475X		65,211	\$3,917.83
AMD EPYC 7702P		64,943	\$1,573.17
AMD EPYC 9334		64,841	\$2,450.00
AMD EPYC 7R32		64,727	NA
Intel Core i9-14900KS		63,444	\$647.99
AMD Ryzen Threadripper 3970X		63,242	\$1,675.00
AMD Ryzen Threadripper PRO 3975WX		62,990	\$2,299.79
AMD EPYC 9224		62,900	\$1,950.00
AMD EPYC 4584PX		62,877	NA
AMD Ryzen 9 7950X		62,843	\$485.88
AMD EPYC 7543		62,569	\$3,761.00*
Intel Xeon Platinum 8454H		62,530	\$6,540.00*
AMD Ryzen 9 7950X3D		62,428	\$499.00
Intel Xeon Platinum 8380 @ 2.30GHz		62,318	\$8,978.00*
AMD EPYC 4564P		62,058	NA
Intel Core i9-13900KS		61,831	\$579.00
Intel Core i9-14900K		60,783	\$533.98
AMD EPYC 74F3		60,666	\$2,989.95
Intel Xeon Gold 6448Y		60,449	\$3,583.00*
AMD Ryzen Threadripper PRO 7955WX		60,249	NA
Intel Xeon Gold 5512U		60,138	\$1,230.00*

Processor	PassMark	Price
AMD Ryzen 9 7945HX3D	57,796	NA
Intel Xeon Gold 5420+	57,593	\$1,848.00*
Ampere ARM - 192 Core 3200 MHz	57,444	NA
Intel Xeon Gold 6423N	57,434	\$2,161.00*
ARM Neoverse-V2 72 Core 3519 MHz	57,240	NA
AMD EPYC 7443P	57,215	\$1,401.42
Intel Xeon Gold 6414U	57,200	\$2,296.00*
Intel Xeon w7-3455	57,164	\$2,489.00*
AMD EPYC 7443	56,601	\$2,230.99*
AMD EPYC 8324P	56,347	NA
Intel Xeon Platinum 8375C @ 2.90GHz	56,202	NA
AMD EPYC 7K62	56,169	NA
AMD EPYC 9174F	55,485	\$2,950.00
AMD Ryzen 9 7945HX	54,918	NA
AMD Ryzen Threadripper 3960X	54,878	\$1,200.00
Intel Xeon w7-2475X	54,452	\$1,789.00*
Intel Xeon Platinum 8358 @ 2.60GHz	54,416	\$5,097.75*
Intel Xeon Platinum 8360Y @ 2.40GHz	54,078	\$5,383.00*
Intel Core i7-14700K	53,532	\$355.99
AMD Ryzen 9 7940HX	53,480	NA
Intel Core i7-14700KF	53,414	\$392.99
AMD EPYC 7532	53,051	\$800.00
Intel Xeon Gold 6438N	52,789	\$3,351.00*
Intel Xeon Gold 5412U	52,742	\$1,113.00*
AMD EPYC 7F72	52,597	\$941.45
Intel Xeon Gold 6348 @ 2.60GHz	52,276	\$2,064.00
AMD Ryzen 9 7900X	51,842	\$365.53
Intel Core i9-13900F	51,295	\$435.00
AMD EPYC 4484PX	51,115	NA
AMD EPYC 7552	51,104	\$1,746.96
AMD EPYC 4464P	50,814	NA
AMD EPYC 7453	50,575	\$1,532.48
AMD Ryzen 9 7900X3D	50,388	\$329.00
AMD EPYC 7502P	50,382	\$1,171.99
AMD EPYC 9184X	50,344	\$3,495.00
AMD EPYC 7413	50,223	\$1,420.54
AMD Ryzen Threadripper PRO 5955WX	50,021	\$1,130.71
Intel Core i9-14900F	49,883	\$528.99
Apple M2 Ultra 24 Core	49,854	NA
AMD Ryzen Threadripper PRO 7945WX	49,599	NA

Intel Xeon Gold 6342 @ 2.60GHz		47,520	\$2,399.95
Intel Core i9-13980HX		47,301	\$668.00*
Intel Xeon w5-2465X		46,855	\$1,452.35
Intel Xeon Platinum 8368Q @ 2.60GHz		46,681	NA
Intel Core i9-14900HX		46,672	\$679.00*
Intel Core i7-13700K		46,526	\$309.98
Intel Xeon w5-3435X		46,466	\$1,665.49
Intel Core i7-13700KF		46,349	\$291.55
Intel Core i7-13790F		46,110	\$429.00
AMD EPYC 73F3		46,103	\$2,278.10
AMD EPYC 7402		46,028	\$799.00
Intel Xeon Gold 6526Y		46,025	\$1,517.00*
AMD Ryzen 9 7845HX		45,731	NA
Intel Xeon W-3345 @ 3.00GHz		45,694	\$2,499.00*
AMD Ryzen 9 5950X		45,654	\$349.99
Intel Xeon Gold 6336Y @ 2.40GHz		45,517	\$1,949.95
Intel Xeon w7-3445		45,188	\$1,989.00*
Intel Core i7-14700		45,173	\$399.98
Intel Xeon Silver 4416+		45,127	\$1,176.00*
AMD EPYC 7542		45,003	\$725.00
AMD EPYC 8224P		44,990	NA
Intel Xeon Gold 6538N		44,895	\$3,351.00*
Intel Core i7-14700F		44,785	\$365.98
AMD EPYC 7452		44,759	\$730.99
Intel Core i9-13900HX		44,593	\$668.00*
Intel Xeon Gold 5418Y		44,487	\$1,483.00*
Intel Core i9-14900T		44,248	\$549.00*
AMD EPYC 7343		44,189	\$1,129.00
Intel Core i9-13900T		44,094	\$549.00*
Intel Core i9-12900KS		44,028	\$312.99
AMD EPYC 7402P		43,905	\$894.45
Intel Core i9-13950HX		43,883	\$590.00*
AMD EPYC 9124		43,743	\$1,095.00
ARM Neoverse-N1 128 Core 3000 MHz		43,229	NA
ARM Neoverse-N1 128 Core 2800 MHz		43,111	NA
Intel Xeon Gold 6330 @ 2.00GHz		43,056	\$1,000.00
AMD EPYC 7D12		42,762	NA
Intel Xeon Gold 6312U @ 2.40GHz		42,124	\$1,809.59*
Intel Xeon Gold 6338N @ 2.20GHz		42,086	\$4,671.69*
AMD EPYC 7313P		42,032	\$1,204.21
Intel Xeon Gold 6426Y		41,625	\$1,517.00*

Processor	PassMark	Price
AMD Ryzen Threadripper PRO 3955WX	40,348	NA
AMD EPYC 7352	40,096	\$255.54
AMD EPYC 7F52	39,923	\$1,705.52
Intel Xeon W-3275M @ 2.50GHz	39,834	\$7,453.00*
Intel Core i5-14600KF	39,479	\$292.99
Intel Xeon W-3335 @ 3.40GHz	39,293	\$1,299.00*
Intel Core i5-14600K	39,269	\$305.99
AMD Ryzen 9 5900X	39,166	\$249.00
AMD EPYC 7313	39,091	\$976.50
Intel Core i7-13700F	38,980	\$358.99
AMD Ryzen 9 3950X	38,780	\$493.00
Intel Xeon Platinum 8180 @ 2.50GHz	38,259	\$1,750.00
Intel Core i7-13850HX	38,146	\$428.00*
AMD EPYC 7551P	38,117	\$238.00
Intel Core i5-13600K	38,081	\$259.96
Intel Core i7-14650HX	38,057	\$495.00*
Intel Xeon w5-2455X	37,874	\$1,039.00*
Intel Core i5-13600KF	37,857	\$234.98
Intel Core i7-14700HX	37,810	\$495.00*
Intel Xeon Gold 6346 @ 3.10GHz	37,665	\$1,964.16
Intel Xeon Gold 5320 @ 2.20GHz	37,558	\$1,545.00
Intel Xeon Gold 6238R @ 2.20GHz	37,511	\$1,635.00
Intel Core i7-13700	37,237	\$371.98
Intel Xeon W-3175X @ 3.10GHz	37,167	\$3,039.28*
Intel Core i9-12900F	36,940	\$344.34
Intel Xeon w5-3425	36,590	\$1,189.00*
Intel Xeon Gold 5416S	36,400	\$944.00*
Intel Xeon Gold 6330N @ 2.20GHz	36,360	\$2,227.27*
Apple M3 Max 14 Core	36,355	NA
Intel Xeon Gold 6248R @ 3.00GHz	36,186	\$2,288.30
AMD EPYC 8124P	36,176	NA
AMD Ryzen 7 7700X	35,948	\$273.54
AMD EPYC 4364P	35,865	NA
AMD EPYC 4344P	35,529	NA
Intel Xeon Gold 6326 @ 2.90GHz	35,270	\$1,350.00
Intel Core i9-12900TE	35,057	\$544.00*
Intel Core i5-14600	35,047	\$255.00*
Intel Xeon Gold 6242R @ 3.10GHz	34,963	\$1,830.32
Intel Core i7-13700E	34,728	\$390.00*
AMD Ryzen 7 PRO 7745	34,652	NA

Processor	PassMark	Price
AMD Ryzen 7 7800X3D	34,296	\$339.99
Intel Core i9-12900HX	34,268	\$606.00*
Intel Xeon Silver 4510	34,122	\$563.00*
AMD EPYC 7601	34,079	\$329.95
Intel Core i9-13900E	34,049	\$554.00*
Intel Core i7-13700HX	33,971	\$485.00*
Intel Xeon Platinum 8260M @ 2.30GHz	33,970	\$7,705.00*
Intel Xeon Gold 6338 @ 2.00GHz	33,814	\$1,886.14
Intel Xeon D-2799 @ 2.40GHz	33,792	\$1,933.00*
Intel Xeon Gold 6230R @ 2.10GHz	33,724	\$1,292.62
AMD Ryzen Threadripper PRO 3945WX	33,506	NA
Intel Xeon Gold 5220R @ 2.20GHz	33,370	\$1,290.00
Intel Xeon Gold 6240R @ 2.40GHz	33,353	\$1,672.16
Intel Xeon Gold 5318Y @ 2.10GHz	33,283	\$1,614.45
Intel Xeon Platinum 8168 @ 2.70GHz	33,099	\$1,349.95
AMD EPYC 7302	33,002	\$786.96
Intel Xeon Gold 6278C @ 2.60GHz	32,835	NA
Intel Core i9-10980XE @ 3.00GHz	32,822	\$1,099.00
AMD Ryzen 7 7745HX	32,816	NA
Intel Xeon Platinum 8280 @ 2.70GHz	32,781	\$3,254.02
Intel Core i5-14500	32,734	\$239.98
AMD Ryzen 9 3900XT	32,708	\$355.00
AMD EPYC 7302P	32,670	\$798.95
AMD Ryzen 9 3900X	32,647	\$375.00
Intel Core i7-12800HX	32,640	\$457.00*
AMD Ryzen 7 PRO 8700G	32,522	NA
Intel Core i9-12950HX	32,408	\$590.00*
Intel Core i5-13600	32,397	\$255.00*
AMD Ryzen Threadripper 2990WX	32,375	\$2,698.95
Intel Xeon w5-2445	32,301	\$839.00*
Intel Xeon W-3265M @ 2.70GHz	32,025	\$6,353.00*
Intel Core i5-13500	32,021	\$244.85
Intel Core i9-9980XE @ 3.00GHz	31,988	\$1,069.00
Intel Xeon Platinum 8173M @ 2.00GHz	31,837	NA
AMD Ryzen 9 8945H	31,708	NA
AMD Ryzen 7 8700G	31,698	\$299.00
Intel Core i9-13900HK	31,690	\$697.00*
Intel Core i7-13650HX	31,679	\$485.00*
AMD Ryzen 9 PRO 3900	31,609	NA
Intel Xeon Silver 4316 @ 2.30GHz	31,341	\$995.00

Processor	PassMark	Price
AMD Ryzen 7 PRO 6845HS	30,754	NA
Intel Core i7-12700F	30,637	\$249.99
Intel Xeon Platinum 8171M @ 2.60GHz	30,632	NA
AMD EPYC Embedded 7292P	30,542	NA
Intel Xeon Gold 6246R @ 3.40GHz	30,468	\$1,990.50
AMD Ryzen 9 7940HS	30,455	NA
Intel Xeon Gold 6254 @ 3.10GHz	30,381	\$2,160.35
Intel Core i9-9960X @ 3.10GHz	30,360	\$499.00
Intel Xeon Platinum 8260 @ 2.40GHz	30,347	\$2,050.00
Intel Core i9-13905H	30,252	\$697.00*
Intel Core i9-9990XE @ 4.00GHz	30,162	\$2,163.00*
Intel Core i9-7980XE @ 2.60GHz	30,154	\$992.75
Intel Xeon W-3265 @ 2.70GHz	30,105	\$4,551.37*
Intel Core i9-12900T	30,093	\$489.00*
AMD Ryzen Threadripper 2970WX	30,009	\$999.99
Intel Xeon Platinum 8270 @ 2.70GHz	29,986	\$4,119.86
AMD EPYC 7282	29,983	\$188.00
Intel Core i7-12800HE	29,805	\$506.00*
Intel Xeon E-2488	29,795	\$606.00*
Intel Core i5-13500HX	29,626	\$326.00*
Intel Xeon Gold 6248 @ 2.50GHz	29,504	\$980.00
Intel Core i5-14600T	29,449	\$255.00*
AMD Ryzen Threadripper 2950X	29,449	\$1,075.00*
Intel Core i7-12700E	29,384	\$344.00*
Intel Xeon Silver 4314 @ 2.40GHz	29,248	\$799.99
AMD Ryzen 9 8945HS	29,246	NA
AMD Ryzen 7 8845H	29,091	NA
Intel Core i9-13900H	29,066	\$617.00*
Intel Xeon w5-3423	29,024	\$1,189.00*
Intel Xeon Gold 6148 @ 2.40GHz	28,999	\$290.00
AMD Ryzen 7 7840HS	28,968	NA
Intel Core i5-13600HX	28,921	\$284.00*
Intel Xeon Gold 6210U @ 2.50GHz	28,915	\$1,555.12*
Intel Xeon Silver 4410T	28,859	\$624.00*
AMD Ryzen 7 8845HS	28,837	NA
Intel Xeon Platinum 8160 @ 2.10GHz	28,825	\$1,495.00
Intel Core i9-7960X @ 2.80GHz	28,722	\$347.48
Intel Core Ultra 9 185H	28,720	NA
Intel Xeon Gold 6238 @ 2.10GHz	28,668	\$795.00*
Intel Xeon Gold 6154 @ 3.00GHz	28,632	\$1,199.00
AMD Ryzen 9 7940H	28,608	NA

Processor	PassMark	Price
AMD Ryzen 9 PRO 7940HS	20,170	NA
Intel Xeon Platinum 8252C @ 3.80GHz	28,147	NA
Intel Core i9-12900H	28,138	\$617.00*
ARM Neoverse-N1 64 Core 0 MHz	28,064	NA
Intel Core i5-13500E	28,036	\$235.00*
Intel Core i9-9940X @ 3.30GHz	28,033	\$959.00
Intel Core i9-10940X @ 3.30GHz	27,929	\$780.00
Intel Xeon W-2195 @ 2.30GHz	27,907	\$1,983.82*
Intel Xeon W-2275 @ 3.30GHz	27,885	\$1,045.00
AMD Ryzen 7 5800X	27,883	\$171.99
Intel Core i5-12600K	27,731	\$171.98
Intel Core i9-12900HK	27,649	\$635.00*
AMD EPYC 4244P	27,635	NA
AMD Ryzen Threadripper 2990X	27,606	NA
AMD Ryzen 7 PRO 8840HS	27,594	NA
AMD Ryzen Threadripper 1950X	27,561	\$493.00*
Intel Xeon Gold 6212U @ 2.40GHz	27,470	\$2,000.00*
Intel Core i5-13490F	27,467	\$279.00
Intel Core i5-12600KF	27,447	\$156.06
AMD EPYC 7571	27,445	NA
Intel Core i7-13700H	27,387	\$502.00*
Intel Xeon Gold 5317 @ 3.00GHz	27,387	\$910.00
Intel Xeon Gold 6150 @ 2.70GHz	27,337	\$180.00
Intel Xeon Platinum 8124M @ 3.00GHz	27,336	NA
Intel Xeon D-2775TE @ 2.00GHz	27,299	\$1,820.00*
Apple M3 Pro 12 Core	27,276	NA
AMD EPYC 72F3	27,252	\$1,350.00
AMD Ryzen 5 PRO 7645	27,250	NA
AMD Ryzen 5 7600	27,182	\$189.87
Intel Xeon Gold 6252 @ 2.10GHz	27,148	\$998.14
Intel Core i7-13700T	27,126	\$384.00*
Intel Core i5-13600T	27,123	\$255.00*
Intel Xeon Gold 6208U @ 2.90GHz	27,085	\$950.00
Intel Xeon Gold 6230 @ 2.10GHz	27,069	\$729.00
Intel Core i7-13800H	27,058	\$457.00*
AMD Ryzen 5 7500F	26,917	NA
AMD Ryzen 5 7645HX	26,868	NA
Intel Xeon W-3245M @ 3.20GHz	26,814	\$5,002.00*
Intel Core i9-12900E	26,801	NA
AMD Ryzen 7 5700X	26,695	\$160.95
Intel Xeon Platinum 8175M @ 2.50GHz	26,659	NA



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Intel Xeon Gold 6242 @ 2.50GHz				26,288	\$785.02
Intel Core i9-10920X @ 3.50GHz				26,248	\$780.00
Intel Core i7-12700H				26,229	\$457.00*
Intel Core Ultra 7 165H				26,198	NA
Intel Xeon W-2265 @ 3.50GHz				26,115	\$650.00
Intel Core i9-7940X @ 3.10GHz				26,020	\$384.00
AMD Ryzen 7 PRO 5845				25,961	NA
Intel Xeon W-3323 @ 3.50GHz				25,875	\$949.00*
AMD EPYC 7451				25,863	\$1,787.00*
AMD Ryzen 7 5800				25,795	NA
AMD Ryzen 5 PRO 8600GE				25,776	NA
Intel Core i5-14400T				25,774	\$221.00*
Intel Core i5-14400F				25,766	\$199.98
AMD EPYC 7351P				25,657	\$300.00
Intel Xeon E5-2698R v4 @ 2.20GHz				25,605	NA
AMD EPYC 7272				25,568	\$179.95
Intel Xeon W-3235 @ 3.30GHz				25,520	\$1,998.95*
Intel Core i5-13450HX				25,514	\$326.00*
Intel Core i7-13620H				25,496	\$502.00*
AMD Ryzen 7 7435HS				25,463	NA
AMD Ryzen Threadripper 2920X				25,458	\$682.10
Intel Xeon Gold 6152 @ 2.10GHz				25,441	\$377.00
Intel Xeon E5-2699 v4 @ 2.20GHz				25,437	\$799.99
Intel Xeon W-1390P @ 3.50GHz				25,419	NA
Intel Xeon Platinum 8167M @ 2.00GHz				25,396	NA
Apple M4 10 Core				25,367	NA
AMD Ryzen 5 8600G				25,364	\$199.00
Intel Xeon E5-2699A v4 @ 2.40GHz				25,363	\$4,938.00*
AMD Ryzen Z1 Extreme				25,318	NA
Intel Core i9-11900K @ 3.50GHz				25,291	\$253.99
AMD Ryzen 5 PRO 8600G				25,288	NA
AMD Ryzen 7 8840HS				25,286	NA
Intel Core i5-13400F				25,219	\$209.99
Intel Core i9-9920X @ 3.50GHz				25,163	\$579.00
Intel Core i9-11900KF @ 3.50GHz				25,105	\$235.00
AMD Ryzen 7 PRO 8840U				25,037	NA
AMD Ryzen 7 7840U				25,007	NA
Intel Core Ultra 7 155H				24,982	NA
Intel Xeon Gold 5415+				24,951	\$1,066.00*
Intel Xeon Gold 6142 @ 2.60GHz				24,938	\$522.18

Processor	PassMark	Price
Intel Xeon Gold 5222V @ 2.10GHz	24,764	\$1,710.00
Intel Xeon Gold 5218R @ 2.10GHz	24,742	\$886.62
Intel Xeon E E-2486	24,713	\$506.00*
Intel Core i7-11700K @ 3.60GHz	24,642	\$225.00
Intel Core i5-14500T	24,636	\$232.00*
AMD Ryzen 7 7840S	24,635	NA
Intel Core i5-12600HE	24,599	\$315.00*
AMD Ryzen 5 8400F	24,584	\$169.00
Apple M3 Pro 11 Core	24,577	NA
AMD Ryzen 7 5700G	24,566	\$160.00
Intel Xeon W-1370P @ 3.60GHz	24,540	\$508.99*
Intel Core i5-12600HX	24,522	\$284.00*
Intel Xeon Gold 6140 @ 2.30GHz	24,445	\$490.00
AMD Ryzen 7 PRO 5750G	24,430	NA
Intel Xeon Silver 4410Y	24,357	\$563.00*
AMD Ryzen 7 8840U	24,306	NA
Intel Core i5-13600H	24,255	\$311.00*
AMD Ryzen 7 7735H	24,213	NA
AMD Ryzen 7 5700	24,202	\$170.84
Intel Xeon Gold 5220 @ 2.20GHz	24,154	\$1,075.00
AMD Ryzen 7 7735HS	24,132	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	24,131	\$2,702.00*
Intel Core Ultra 5 135H	24,100	NA
Intel Xeon W-2170B @ 2.50GHz	24,033	NA
Intel Core i7-11700KF @ 3.60GHz	23,992	\$238.00
Intel Xeon W-1390 @ 2.80GHz	23,902	\$573.99*
Intel Xeon Gold 6122 @ 1.80GHz	23,781	\$2,002.00*
Intel Xeon Gold 6138 @ 2.00GHz	23,712	\$195.19
Intel Xeon W-11865MRE @ 2.60GHz	23,702	\$480.00*
Qualcomm Snapdragon X Plus X1P-64-100	23,650	NA
AMD Ryzen 9 6900HS	23,640	NA
AMD Ryzen 7 3800XT	23,622	\$290.99
Intel Xeon E5-2698 v4 @ 2.20GHz	23,616	\$908.70*
Intel Core i9-7920X @ 2.90GHz	23,616	\$299.00
Intel Xeon E-2388G @ 3.20GHz	23,616	\$539.00*
AMD EPYC 7351	23,566	\$649.00*
AMD Ryzen 9 5980HX	23,564	NA
Intel Core i7-13705H	23,518	\$502.00*
AMD Ryzen 7 6800H	23,498	NA
AMD EPYC 7F32	23,453	\$2,465.51*
Intel Xeon W-2175 @ 2.50GHz	23,345	\$800.00*

Intel Core i9-11900 @ 2.50GHz		22,958	\$200.20
Intel Core i5-13500H		22,930	NA
AMD Ryzen 7 PRO 3700		22,920	\$329.99*
AMD Ryzen 7 6800HS		22,910	NA
AMD Ryzen 7 PRO 6850H		22,908	NA
Intel Core i9-10900K @ 3.70GHz		22,895	\$430.00
Intel Core i9-11900KB @ 3.30GHz		22,890	\$539.00*
Intel Core i9-11980HK @ 2.60GHz		22,854	\$583.00*
AMD Ryzen 5 8645HS		22,837	NA
AMD Ryzen 5 PRO 7640HS		22,778	NA
Intel Core i7-12650H		22,778	\$457.00*
Intel Xeon E-2436		22,775	\$319.00*
Intel Core i7-11700B @ 3.20GHz		22,767	NA
Intel Core i5-12600H		22,748	\$311.00*
AMD Ryzen 5 7640HS		22,706	NA
AMD Ryzen 9 PRO 6950HS		22,697	NA
Intel Xeon Platinum P-8124 @ 3.00GHz		22,674	NA
Qualcomm Snapdragon X Elite - X1E-78-100		22,672	NA
Intel Xeon Silver 4310 @ 2.10GHz		22,642	\$410.00
Qualcomm Snapdragon X Elite - X1E-80-100		22,636	NA
Intel Xeon W-11955M @ 2.60GHz		22,610	\$623.00*
Intel Core i9-10900KF @ 3.70GHz		22,581	\$255.00
AMD Ryzen 9 5900HX		22,572	NA
AMD Ryzen 7 3700X		22,565	\$110.49
Intel Core i9-11900F @ 2.50GHz		22,512	\$229.00
Intel Core i9-10900X @ 3.70GHz		22,497	\$615.00
AMD EPYC 7551		22,463	\$123.55
Intel Xeon W-1290P @ 3.70GHz		22,452	\$649.40*
AMD Ryzen 9 PRO 6950H		22,447	NA
Apple M4 9 Core		22,442	NA
Intel Core i9-10850K @ 3.60GHz		22,423	\$279.00
Intel Core Ultra 5 125H		22,418	NA
Intel Xeon W-2255 @ 3.70GHz		22,345	\$650.00
AMD Ryzen 7 5700GE		22,313	NA
Intel Xeon E5-2699C v4 @ 2.20GHz		22,308	NA
Intel Xeon E5-2696 v3 @ 2.30GHz		22,200	\$546.99*
AMD Ryzen 7 7736U		22,195	NA
AMD Ryzen 9 5900HS Creator Edition		22,138	NA
AMD Ryzen 5 5600X3D		22,126	NA
AMD Ryzen 5 PRO 8500G		22,076	NA
AMD Ryzen Threadripper 1920		22,066	NA

Processor	PassMark Score	Price
AMD Ryzen 9 6900HS Creator Edition	21,879	NA
Apple M1 Pro 10 Core 3200 MHz	21,834	NA
Intel Xeon Gold 6262 @ 1.90GHz	21,823	NA
Intel Xeon Gold 6130T @ 2.10GHz	21,804	\$2,550.00*
Intel Core i9-9900X @ 3.50GHz	21,803	\$629.99
AMD Ryzen 5 8500G	21,714	\$159.00
AMD Ryzen 9 5900HS	21,702	NA
Apple M2 Pro 10 Core 3480 MHz	21,668	NA
AMD EPYC 7281	21,621	\$499.99
Intel Xeon E7-8891 v3 @ 2.80GHz	21,615	\$6,841.00*
AMD Ryzen 5 5600	21,573	\$114.99
Intel Core i7-12700T	21,569	\$339.00*
Intel Xeon Gold 6334 @ 3.60GHz	21,521	\$1,715.67
Intel Core i5-13500TE	21,478	\$235.00*
Intel Core i9-10910 @ 3.60GHz	21,468	NA
AMD Ryzen 5 7640U	21,453	NA
Intel Xeon Gold 5218T @ 2.10GHz	21,433	\$1,349.00*
AMD Ryzen 5 PRO 8500GE	21,426	NA
Intel Xeon E5-2697A v4 @ 2.60GHz	21,380	NA
Intel Core i9-11950H @ 2.60GHz	21,341	\$556.00*
AMD Ryzen 9 5980HS	21,318	NA
AMD Ryzen 7 7735U	21,302	NA
AMD Ryzen 5 8640HS	21,265	NA
Intel Core i5-12600	21,255	\$249.99
Intel Core i5-12500H	21,254	\$311.00*
AMD Ryzen 7 Pro 7735U	21,233	NA
AMD Ryzen 7 5800HS Creator Edition	21,166	NA
Intel Xeon E-2378G @ 2.80GHz	21,153	\$599.00
Intel Core i5-13400T	21,147	\$221.00*
Intel Core i9-7900X @ 3.30GHz	21,106	\$392.83
Intel Xeon E5-2697 v4 @ 2.30GHz	21,091	\$1,277.90
Intel Xeon W-2155 @ 3.30GHz	21,065	\$1,530.39*
AMD Ryzen 7 5800H	21,063	NA
Intel Core i7-11700F @ 2.50GHz	21,045	\$241.99
Intel Core i7-7900X @ 3.30GHz	21,008	NA
Intel Xeon Silver 4310T @ 2.30GHz	20,973	\$714.36
Intel Xeon Gold 6250 @ 3.90GHz	20,915	\$3,149.28
AMD Ryzen 7 PRO 6850U	20,870	NA
AMD Ryzen 7 PRO 6860Z	20,863	NA
Intel Xeon E5-2697R v4 @ 2.30GHz	20,843	NA
Intel Xeon Gold 5315Y @ 3.20GHz	20,820	\$1,145.00

Intel Xeon Silver 4210 @ 2.10GHz		20,815	\$040.00
Intel Xeon E5-2686 v4 @ 2.30GHz		20,591	NA
Intel Xeon W-2150B @ 3.00GHz		20,587	NA
Intel Core i7-11850H @ 2.50GHz		20,566	\$395.00*
AMD Ryzen 9 5900H		20,557	NA
AMD EPYC 8024P		20,556	NA
Intel Core i7-11800H @ 2.30GHz		20,553	\$395.00*
Intel Core i7-1280P		20,521	\$482.00*
AMD Ryzen 7 PRO 4750G		20,483	\$345.85*
Intel Core i5-12490F		20,458	\$179.00
Intel Xeon Gold 6226 @ 2.70GHz		20,429	\$1,009.34
Intel Xeon Gold 6130 @ 2.10GHz		20,411	\$69.00
AMD Ryzen 5 5500GT		20,391	\$125.00
Intel Xeon E5-4667 v4 @ 2.20GHz		20,319	\$5,729.00*
Intel Xeon E5-2699 v3 @ 2.30GHz		20,315	\$529.95
Intel Core i7-1370P		20,284	NA
Intel Xeon D-1747NTE @ 2.50GHz		20,279	\$1,201.00*
AMD Ryzen Embedded V3C48		20,203	NA
Intel Core i5-1250P		20,185	NA
AMD Ryzen 7 5800HS		20,139	NA
AMD Ryzen 7 4700G		20,129	\$235.12*
Intel Core i9-9820X @ 3.30GHz		20,096	\$450.00
Intel CoreT i5-1350P		20,087	NA
Intel Xeon W-1290 @ 3.20GHz		20,071	\$588.67*
Intel Core i5-1340PE		20,041	\$315.00*
AMD Ryzen 5 5600GT		20,008	\$105.99
Intel Core i9-10900F @ 2.80GHz		20,000	\$239.98
Intel Xeon Gold 6144 @ 3.50GHz		19,993	\$824.99
Intel Core i5-12500		19,905	\$202.00*
AMD Ryzen 5 5600G		19,892	\$132.58
Intel Core i9-10900 @ 2.80GHz		19,844	\$399.00
AMD Ryzen 7 4700GE		19,831	NA
Intel Xeon W-1350P @ 4.00GHz		19,821	\$372.23*
Intel Core i7-11700 @ 2.50GHz		19,788	\$209.99
AMD Ryzen 7 PRO 4700G		19,786	NA
Intel Core i5-11600KF @ 3.90GHz		19,652	\$139.00
Intel Core i5-11600K @ 3.90GHz		19,630	\$139.90
Intel Xeon E-2386G @ 3.50GHz		19,613	\$579.88*
Apple M3 8 Core		19,607	NA
AMD Ryzen 5 8640U		19,592	NA
Intel Xeon E5-2690 v4 @ 2.60GHz		19,579	\$494.45*

Intel Xeon D-2185N @ 2.20GHz		19,377	\$1,704.00
Intel Xeon Gold 6137 @ 3.90GHz		19,365	NA
Intel Core i7-1360P		19,361	\$480.00*
AMD Ryzen 5 8540U		19,316	NA
AMD Ryzen 5 PRO 8540U		19,316	NA
AMD Ryzen 5 7540U		19,213	NA
AMD Ryzen 7 PRO 7730U		19,213	NA
Intel Core i5-1350P		19,176	\$320.00*
AMD Ryzen 9 4900H		19,156	NA
Intel Xeon D-2752TER @ 1.80GHz		19,102	\$1,104.00*
Intel Xeon Silver 4309Y @ 2.80GHz		19,100	\$571.50
AMD Ryzen 5 PRO 6650H		19,094	NA
AMD Ryzen 9 4900HS		19,017	NA
Intel Xeon W-1350 @ 3.30GHz		19,015	\$335.99*
Intel Xeon Gold 6244 @ 3.60GHz		18,980	\$2,970.00*
Intel Xeon E5-2676 v4 @ 2.40GHz		18,978	NA
Intel Xeon E5-2698 v3 @ 2.30GHz		18,975	\$8,790.00*
Intel Core i9-11900T @ 1.50GHz		18,968	\$439.00*
AMD Ryzen 5 6600H		18,914	NA
Intel Core i7-11850HE @ 2.60GHz		18,899	\$440.00*
Intel Core i5-1340P		18,875	\$353.00*
Hygon C86 7255 16-core		18,831	NA
ARM Neoverse-N1 80 Core 2600 MHz		18,823	NA
Intel Core i7-10700K @ 3.80GHz		18,812	\$239.01
Intel Core i5-13420H		18,806	\$342.00*
ARM Neoverse-N1 64 Core 2200 MHz		18,803	NA
Intel Xeon W-1290E @ 3.50GHz		18,786	\$500.00*
Intel Xeon E5-2682 v4 @ 2.50GHz		18,769	NA
AMD Ryzen Z1		18,757	NA
AMD Ryzen 5 5600GE		18,749	NA
Intel Xeon E5-2697 v3 @ 2.60GHz		18,719	\$73.99
Intel Core i5-12450HX		18,680	NA
AMD Ryzen 7 7730U		18,655	NA
AMD Ryzen 5 3600XT		18,649	\$399.98*
Intel Xeon W-1270E @ 3.40GHz		18,635	\$367.00*
Intel Core i7-10700KF @ 3.80GHz		18,619	\$195.00
Intel Xeon W-1270P @ 3.80GHz		18,553	\$789.99*
AMD Ryzen 7 4800H		18,552	NA
AMD Ryzen 7 5800U		18,503	NA
AMD Ryzen 7 PRO 4750GE		18,484	NA
Intel Xeon E-2356G @ 3.20GHz		18,452	\$333.00*

		PassMark Intel vs AMD CPU Benchmarks - High End		
Intel Core i9-9900K @ 3.00GHz			18,250	\$540.00
Intel Xeon w3-2425			18,284	\$529.00*
AMD Ryzen 5 PRO 7540U			18,249	NA
Intel Xeon E7-8880 v3 @ 2.30GHz			18,244	\$133.00*
AMD Ryzen 5 3600X			18,209	\$82.49
Intel Xeon W-2145 @ 3.70GHz			18,181	\$1,224.67*
Intel Xeon W-11855M @ 3.20GHz			18,158	\$450.00*
Intel Xeon E5-2686 v3 @ 2.00GHz			18,148	NA
Intel Xeon Gold 5120T @ 2.20GHz			18,127	\$1,727.00*
Intel Core i5-11600 @ 2.80GHz			18,101	\$138.48
AMD 4700S			18,089	NA
Intel Xeon D-2187NT @ 2.00GHz			18,070	\$1,989.00*
Intel Core i7-9800X @ 3.80GHz			18,069	\$298.67*
Intel Core i7-1270PE			17,960	\$441.00*
Intel Core Ultra 5 135U			17,831	NA
Intel Xeon D-1736NT @ 2.70GHz			17,826	NA
Intel Core Ultra 5 125U			17,800	\$363.00*
Intel Xeon E5-2680 v4 @ 2.40GHz			17,789	\$209.95
AMD Ryzen 5 3600			17,758	\$76.95
Intel Xeon E5-2687W v4 @ 3.00GHz			17,755	\$719.45*
Intel Xeon Gold 6234 @ 3.30GHz			17,752	\$1,445.50
Intel Core i5-1250PE			17,738	\$355.00*
AMD EPYC 7232P			17,731	\$344.95
Intel Xeon Gold 5120 @ 2.20GHz			17,686	\$1,561.00*
Intel Xeon E5-2683 v4 @ 2.10GHz			17,668	\$489.95
Intel Xeon W-1270 @ 3.40GHz			17,641	\$362.00*
Intel Core i5-11500B @ 3.30GHz			17,624	NA
AMD Ryzen 5 PRO 3600			17,606	NA
Intel Core i5-12600T			17,576	NA
Intel Core Ultra 7 165U			17,559	NA
AMD Ryzen 7 2700X			17,527	\$149.99
Intel Xeon E5-2680R v4 @ 2.40GHz			17,487	NA
Intel Xeon W-11555MRE @ 2.60GHz			17,484	\$326.00*
AMD Ryzen 7 4980U Microsoft Surface Edition			17,469	NA
Intel Core 5 120U			17,431	\$340.00*
Intel Xeon E5-4669 v3 @ 2.10GHz			17,430	\$5,400.00*
Intel Core i7-6950X @ 3.00GHz			17,418	\$239.00
Intel Core i7-1270P			17,416	NA
Intel Core i5-11500 @ 2.70GHz			17,381	\$157.99
Intel Xeon E-2378 @ 2.60GHz			17,364	\$468.86
Intel Xeon E-2288G @ 3.70GHz			17,330	\$539.00*

Processor	PassMark Score	Price
AMD Ryzen 7 PRO 5850U	17,046	NA
Intel Core i5-11400 @ 2.60GHz	17,038	\$109.00
Intel Xeon E-2278G @ 3.40GHz	17,023	\$494.00*
AMD Ryzen 5 5600H	17,018	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	17,017	NA
AMD Ryzen 7 PRO 2700X	16,908	NA
AMD Ryzen 7 Extreme Edition	16,903	NA
Intel Core i7-12700TE	16,833	\$344.00*
AMD Ryzen Threadripper 1900X	16,800	\$93.81
AMD Ryzen 5 6600U	16,792	NA
Intel Xeon E-2336 @ 2.90GHz	16,768	\$339.99
AMD Ryzen 5 Pro 7535U	16,766	NA
AMD Ryzen 5 PRO 6650U	16,732	NA
AMD Ryzen 7 4800U	16,707	NA
AMD Ryzen Embedded V2748	16,706	NA
Intel Core i7-11600H @ 2.90GHz	16,685	\$395.00*
Intel Xeon Gold 5118 @ 2.30GHz	16,652	\$448.95*
Intel Xeon Gold 6134 @ 3.20GHz	16,621	\$389.95
Intel Core i7-10700E @ 2.90GHz	16,599	\$330.00*
Intel Core i5-12500T	16,583	\$202.00*
Intel Xeon E5-2690 v3 @ 2.60GHz	16,572	\$49.00
Intel Core i9-9900 @ 3.10GHz	16,541	\$399.00
Intel Core i7-10700 @ 2.90GHz	16,448	\$244.99
Intel Xeon Silver 4214Y @ 2.20GHz	16,442	\$750.00
Intel Core i7-10700F @ 2.90GHz	16,423	\$209.98
Intel Xeon E-2278GE @ 3.30GHz	16,401	\$494.00*
AMD Ryzen 7 1800X	16,378	\$235.00
AMD Ryzen 5 PRO 4400G	16,365	NA
AMD Ryzen 5 PRO 4655G	16,355	NA
Intel Core Ultra 7 155U	16,345	\$490.00*
Intel Xeon E5-2695 v3 @ 2.30GHz	16,338	\$339.95
AMD Ryzen 5 7535U	16,296	NA
Intel Xeon E5-2698B v3 @ 2.00GHz	16,287	NA
Intel Core i9-10900TE @ 1.80GHz	16,251	\$444.00*
AMD Ryzen 7 PRO 5875U	16,249	NA
AMD Ryzen Embedded V2546	16,236	NA
Intel Xeon D-2733NT @ 2.10GHz	16,206	\$800.00*
Intel Xeon Silver 4214 @ 2.20GHz	16,190	\$432.55
Intel Xeon E E-2434	16,187	\$281.00*
AMD Ryzen 5 PRO 4650G	16,186	\$114.99
Intel Core i5-11500H @ 2.90GHz	16,171	\$250.00*



		PassMark Intel vs AMD CPU Benchmarks - High End	
Intel Core i9-13950		15,960	\$540.00
Intel Xeon W-11865MLE @ 1.50GHz		15,958	\$467.00*
AMD Ryzen 7 4850U Mobile		15,920	NA
Intel Xeon E5-4650 v4 @ 2.20GHz		15,871	\$98.00*
AMD Ryzen 7 5700U		15,850	NA
AMD Ryzen 5 4600GE		15,823	NA
Intel Core i9-13900TE		15,819	\$554.00*
Intel Xeon Gold 5117 @ 2.00GHz		15,816	NA
Intel Core i5-11260H @ 2.60GHz		15,793	\$250.00*
AMD Ryzen 7 2700		15,706	\$89.99
Intel Xeon W-10885M @ 2.40GHz		15,700	\$623.00*
Intel Core i5-11400H @ 2.70GHz		15,675	\$250.00*
AMD Ryzen 7 1700X		15,673	\$195.00
Intel Xeon Gold 5215 @ 2.50GHz		15,624	\$788.65
AMD Ryzen 7 PRO 1700X		15,602	NA
AMD Ryzen Embedded V3C18I		15,541	NA
AMD Ryzen 5 PRO 4650GE		15,539	NA
Apple M2 8 Core 3500 MHz		15,517	NA
Intel Xeon D-1726 @ 2.90GHz		15,511	\$490.00*
Intel Core i9-10980HK @ 2.40GHz		15,480	\$583.00*
AMD Ryzen 5 5600U		15,461	NA
Intel Xeon Gold 5217 @ 3.00GHz		15,429	\$1,082.74
Intel Core i3-14100F		15,408	\$118.99
Intel Xeon E5-4667 v3 @ 2.00GHz		15,397	\$5,729.00*
Intel Xeon E5-4660 v4 @ 2.20GHz		15,375	\$3,609.00*
Intel Core i5-1345U		15,362	\$309.00*
Intel Core i7-11700T @ 1.40GHz		15,341	\$323.00*
AMD Ryzen 7 PRO 2700		15,280	NA
AMD Ryzen 7 PRO 4750U		15,228	NA
AMD Ryzen 5 7430U		15,217	NA
Intel Xeon E5-2680 v3 @ 2.50GHz		15,196	\$35.99
Intel Xeon Silver 4116T @ 2.10GHz		15,187	\$1,112.00*
Intel Xeon Silver 4210R @ 2.40GHz		15,110	\$494.25
Intel Xeon D-2166NT @ 2.00GHz		15,105	\$1,005.00*
AMD Ryzen 5 5560U		15,087	NA
Intel Core i9-10885H @ 2.40GHz		15,086	\$556.00*
AMD Ryzen 5 PRO 7530U		15,071	NA
Intel Xeon E-2286M @ 2.40GHz		15,055	\$1,373.18*
Intel Core i7-1355U		15,047	\$469.00*
Intel Core i9-10900T @ 1.90GHz		15,023	\$349.99*

Processor	PassMark Score	Price
Intel Xeon E5-1681 v3 @ 2.90GHz	14,820	NA
AMD Ryzen 7 1700	14,811	\$69.99
Intel Core Ultra 7 164U	14,811	NA
AMD Ryzen 5 PRO 4400GE	14,795	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	14,749	\$189.95
Intel Xeon E5-2678 v3 @ 2.50GHz	14,711	\$106.19*
Intel Core i3-12300	14,695	\$143.00*
Intel Core i5-11600T @ 1.70GHz	14,679	\$213.00*
Intel Xeon Gold 5115 @ 2.40GHz	14,677	\$429.95
Montage Jintide C4215R	14,672	NA
Intel Xeon Silver 4116 @ 2.10GHz	14,660	\$71.00
AMD Ryzen 7 2700E	14,657	NA
AMD Ryzen 7 PRO 1700	14,657	NA
Intel Core i3-13100	14,651	\$126.37
Intel Core i9-10880H @ 2.30GHz	14,642	NA
Intel Core i3-13100F	14,623	\$87.99
AMD Ryzen 5 PRO 5675U	14,619	NA
Intel Xeon E5-2687W v3 @ 3.10GHz	14,588	\$44.99
Intel Core i5-12500TE	14,536	\$205.00*
Intel Core i7-10870H @ 2.20GHz	14,468	\$417.00*
Intel Core i7-9700K @ 3.60GHz	14,463	\$257.99
Intel Core i3-1220P	14,463	\$281.00*
Intel Xeon W-2135 @ 3.70GHz	14,462	\$1,007.70*
AMD Ryzen 5 4600H	14,440	NA
Intel Xeon Silver 4215 @ 2.50GHz	14,439	\$622.29
AMD Ryzen 5 PRO 4655GE	14,436	NA
Intel Core i7-6900K @ 3.20GHz	14,434	\$120.00
Intel Xeon E5-2658 v4 @ 2.30GHz	14,434	NA
Intel Xeon Silver 4123 @ 3.00GHz	14,405	NA
Intel Xeon W-2235 @ 3.80GHz	14,370	\$666.99
AMD Ryzen 3 PRO 8300G	14,351	NA
Intel Xeon W-1250P @ 4.10GHz	14,324	\$321.50*
Intel Core i5-10600K @ 4.10GHz	14,320	\$139.00
Intel Core i7-8086K @ 4.00GHz	14,317	\$259.00
Intel Xeon E5-2666 v3 @ 2.90GHz	14,316	NA
Intel Xeon E5-2697 v2 @ 2.70GHz	14,307	\$189.00
Intel Core i7-9700KF @ 3.60GHz	14,277	\$205.00
Intel Core i7-1260U	14,266	NA
Intel Xeon E5-4660 v3 @ 2.10GHz	14,256	\$4,800.00*
Intel Xeon E5-2673 v3 @ 2.40GHz	14,256	\$700.00*

Intel Core i9-9980HK @ 2.40GHz		14,124	\$583.00*
Intel Core i7-1370PRE		14,103	\$477.00*
Intel Xeon E5-2696 v2 @ 2.50GHz		14,075	NA
Intel Xeon E-2236 @ 3.40GHz		14,013	\$403.91
Intel Xeon E-2286G @ 4.00GHz		13,995	\$1,253.00*
Intel Xeon E-2186G @ 3.80GHz		13,955	\$429.99*
Intel Xeon E-2276G @ 3.80GHz		13,946	\$460.29*
AMD EPYC 3251		13,912	\$315.00*
AMD Ryzen 5 2600X		13,912	\$79.49
Intel Xeon E-2246G @ 3.60GHz		13,898	\$311.00*
AMD Ryzen 3 PRO 5350G		13,864	NA
Intel Xeon E5-2667 v4 @ 3.20GHz		13,856	\$449.95
Intel Core i7-1265U		13,837	\$426.00*
Intel Core i9-9880H @ 2.30GHz		13,773	\$556.00*
Intel Core i7-1255U		13,746	\$426.00*
Intel Core i5-1240U		13,745	NA
Intel Xeon E5-2676 v3 @ 2.40GHz		13,692	NA
Intel Core i5-10600 @ 3.30GHz		13,690	\$137.95
Intel Xeon W-1250 @ 3.30GHz		13,654	\$333.48*
Intel Xeon E5-2650 v4 @ 2.20GHz		13,642	\$65.99
Intel Core i7-8700K @ 3.70GHz		13,638	\$177.00
Intel Core i5-11400T @ 1.30GHz		13,626	\$182.00*
Intel Xeon E-2374G @ 3.70GHz		13,607	\$415.99
Intel Xeon E5-2670 v3 @ 2.30GHz		13,583	\$92.51
Intel Xeon E-2176G @ 3.70GHz		13,567	\$479.99
Intel Xeon E5-1660 v4 @ 3.20GHz		13,567	\$1,494.00*
Intel Xeon D-1587 @ 1.70GHz		13,566	NA
Intel Core i3-12100		13,560	\$122.00*
Intel Xeon W-1270TE @ 2.00GHz		13,553	\$367.00*
AMD Ryzen 5 PRO 2600		13,509	NA
Intel Core 7 150U		13,508	NA
Intel Xeon E5-2658 v3 @ 2.20GHz		13,487	NA
Intel Xeon Silver 4210 @ 2.20GHz		13,480	\$293.55
Intel Xeon E5-2690 v2 @ 3.00GHz		13,479	\$73.99
AMD Ryzen 5 4600U		13,466	NA
Intel Xeon E-2136 @ 3.30GHz		13,451	\$352.99
Intel Core i5-1245U		13,443	\$309.00*
Intel Core i5-1235U		13,419	\$309.00*
AMD Ryzen 7 4700U		13,397	NA
Intel Core i7-10700TE @ 2.00GHz		13,368	\$330.00*

		PassMark Intel vs AMD CPU Benchmarks - High End		
Intel Core i7-9700 @ 3.00GHz			13,193	\$189.00
Intel Xeon E5-2675 v3 @ 1.80GHz			13,180	NA
AMD Ryzen 5 3500X			13,175	\$136.90
Intel Core i5-10500 @ 3.10GHz			13,168	\$237.03
Intel Xeon Silver 4114 @ 2.20GHz			13,151	\$40.00
Intel Xeon E5-1680 v3 @ 3.20GHz			13,149	\$589.99*
Intel Xeon E5-2660 v3 @ 2.60GHz			13,122	\$129.95
Intel Core i3-13100T			13,100	\$134.00*
AMD Ryzen 5 1600X			13,063	\$125.00
Intel Core i5-11500T @ 1.50GHz			13,054	\$192.00*
AMD Ryzen 5 5500U			13,046	NA
AMD Ryzen Embedded V2516			13,016	NA
AMD Ryzen 3 7335U			13,003	NA
Intel Xeon E5-4627 v4 @ 2.60GHz			12,969	\$999.99*
Intel Xeon E5-2685 v3 @ 2.60GHz			12,944	NA
Intel Xeon E-2334 @ 3.40GHz			12,929	\$299.99
AMD Ryzen 3 5300G			12,890	NA
Intel Core i7-7800X @ 3.50GHz			12,889	\$472.84
AMD Ryzen 3 PRO 5350GE			12,885	NA
Intel Core i7-8700 @ 3.20GHz			12,857	\$148.99
Intel Core i7-10700T @ 2.00GHz			12,847	\$264.99*
AMD Ryzen 5 3500			12,787	\$119.99
AMD Ryzen 3 PRO 7330U			12,731	NA
Intel Xeon W-10855M @ 2.80GHz			12,730	\$450.00*
Intel Core i7-5960X @ 3.00GHz			12,729	\$235.05
Intel Xeon E5-1680 v2 @ 3.00GHz			12,693	NA
AMD Ryzen 5 PRO 4650U			12,690	NA
Intel Core i3-12100T			12,676	\$122.00*
AMD Ryzen 3 3300X			12,651	\$150.00
Intel Xeon W-2133 @ 3.60GHz			12,651	\$617.00*
Intel Xeon E5-2650L v4 @ 1.70GHz			12,646	\$596.32*
Intel Xeon E5-2680 v2 @ 2.80GHz			12,626	\$119.95*
Intel Core i7-9700E @ 2.60GHz			12,600	\$323.00*
Intel Xeon E5-2667 v3 @ 3.20GHz			12,597	\$998.94*
Intel Xeon W-11555MLE @ 1.90GHz			12,591	\$348.00*
Intel Xeon E5-1660 v3 @ 3.00GHz			12,485	\$198.95
Intel Xeon E5-4628L v4 @ 1.80GHz			12,461	\$2,535.00*
Intel Xeon D-2143IT @ 2.20GHz			12,461	\$566.00*
Intel Core i3-1315U			12,454	\$309.00*
Intel Xeon E5-2618L v4 @ 2.20GHz			12,429	\$902.20*
Intel Xeon E5-2649 v3 @ 2.30GHz			12,399	NA

			PassMark Intel vs AMD CPU Benchmarks - High End		
Intel Core i5-10400 @ 2.90GHz				12,150	\$97.99
Intel Core i5-10505 @ 3.20GHz				12,161	NA
Intel Core i5-10400 @ 2.90GHz				12,130	\$123.99
Intel Xeon E5-2673 v2 @ 3.30GHz				12,128	NA
Intel Xeon E5-2692 v2 @ 2.20GHz				12,119	NA
Intel Xeon D-2141I @ 2.20GHz				12,117	\$555.00*
AMD Ryzen 5 PRO 4500U				12,117	NA
Intel Xeon E-2278GEL @ 2.00GHz				12,024	\$494.00*
Intel Core i7-1250U				11,988	\$426.00*
Intel Core i7-8700B @ 3.20GHz				11,938	\$303.00*
Intel Xeon E E-2414				11,923	\$213.00*
Intel Core i5-1335UE				11,921	\$312.00*
Intel Core i7-10750H @ 2.60GHz				11,899	NA
Intel Core Ultra 5 134U				11,891	\$332.00*
Intel Core 3 100U				11,885	NA
Intel Xeon E5-2650L v3 @ 1.80GHz				11,880	\$1,365.00*
Intel Xeon E5-2650 v3 @ 2.30GHz				11,879	\$499.00*
ARM Neoverse-N1 32 Core 1700 MHz				11,841	NA
Snapdragon 8cx Gen 3 @ 3.0 GHz				11,840	NA
Intel Core i7-11375H @ 3.30GHz				11,839	\$482.00*
Intel Core i7-10850H @ 2.70GHz				11,828	\$395.00*
Intel Xeon E-2276M @ 2.80GHz				11,795	\$450.00*
Intel Xeon E5-2663 v3 @ 2.80GHz				11,777	NA
ARM Neoverse-N1 80 Core 2800 MHz				11,755	NA
Intel Xeon D-2146NT @ 2.30GHz				11,736	\$641.00*
Intel Core i7-11370H @ 3.30GHz				11,711	\$426.00*
Microsoft SQ3 @ 3.0 GHz				11,684	NA
Intel Xeon Platinum 8481C @ 2.70GHz				11,681	NA
AMD Ryzen 5 5500H				11,671	NA
Intel Core i3-13100E				11,650	\$137.00*
Intel Xeon D-1577 @ 1.30GHz				11,645	\$1,176.00*
Intel Xeon E5-2630 v4 @ 2.20GHz				11,629	\$14.99
Intel Xeon E5-4657L v2 @ 2.40GHz				11,613	\$751.19*
AMD Ryzen 3 3100				11,612	\$150.00
Intel Xeon E-2186M @ 2.90GHz				11,595	\$623.00*
Intel Xeon E5-2648L v4 @ 1.80GHz				11,547	\$1,384.57*
QTI SM8650				11,541	NA
Intel Xeon E5-4669 v4 @ 2.20GHz				11,523	NA
Intel Core i7-6850K @ 3.60GHz				11,471	\$115.00
Intel Xeon E5-1650 v4 @ 3.60GHz				11,444	\$429.95*
AMD Ryzen 3 5425U				11,422	NA

Intel Core i5-10500T @ 2.50GHz		PassMark Intel vs AMD CPU Benchmarks - High End	11,233	\$230.00
Intel Core i5-1230U			11,233	\$309.00*
AMD Ryzen 3 4300GE			11,218	NA
Hygon C86 3250 8-core			11,114	NA
Intel Xeon E-2226G @ 3.40GHz			11,110	\$331.37*
Intel Xeon E5-2640 v3 @ 2.60GHz			11,107	\$39.00
Apple A16 Bionic			11,084	NA
Intel Xeon Silver 4209T @ 2.20GHz			11,080	\$649.25*
Intel Xeon E5-2628L v4 @ 1.90GHz			11,079	\$1,364.00*
AMD Ryzen 3 4100			11,077	\$68.97
AMD Ryzen 3 PRO 5450U			11,066	NA
Intel Xeon E5-4650 v2 @ 2.40GHz			11,064	\$249.95*
Intel Xeon E5-2643 v4 @ 3.40GHz			11,063	\$900.99
AMD Ryzen 3 7330U			11,042	NA
AMD Ryzen 3 5400U			11,029	NA
Apple A12X Bionic			11,025	NA
Intel Core i7-9850H @ 2.60GHz			11,024	\$1,305.76*
Intel Core i5-11320H @ 3.20GHz			10,991	\$309.00*
Intel Core i3-1215U			10,982	NA
AMD Ryzen 3 PRO 4350GE			10,968	NA
AMD Ryzen 3 4300G			10,966	\$111.86
AMD Ryzen 5 4500U			10,941	NA
Intel Core i5-11300H @ 3.10GHz			10,937	\$309.00*
AMD Ryzen 3 PRO 4200GE			10,930	NA
AMD Ryzen 3 PRO 4350G			10,927	NA
Intel Xeon E-2176M @ 2.70GHz			10,888	\$450.00*
Intel Xeon E5-2618L v3 @ 2.30GHz			10,881	\$1,029.95*
Intel Core i7-9750H @ 2.60GHz			10,858	\$960.00*
Intel Xeon E5-4650 v3 @ 2.10GHz			10,838	\$3,838.00*
Intel Core i5-10500E @ 3.10GHz			10,827	\$195.00*
Intel Core i7-1195G7 @ 2.90GHz			10,826	\$426.00*
Intel Core i7-6800K @ 3.40GHz			10,764	\$103.00
Intel Core i7-9700T @ 2.00GHz			10,750	\$323.00*
AMD Ryzen 5 7235HS			10,746	NA
Intel Core i5-9600KF @ 3.70GHz			10,697	\$147.00
Intel Core i5-9600K @ 3.70GHz			10,674	\$137.00
Intel Xeon E5-2470 v2 @ 2.40GHz			10,651	\$24.99
Samsung s5e9945			10,615	NA
Intel Core i7-9750HF @ 2.60GHz			10,608	\$395.00*
Intel Xeon E5-2630L v4 @ 1.80GHz			10,604	\$129.00*
Intel Xeon W-2225 @ 4.10GHz			10,560	\$473.87*

		PassMark Intel vs AMD CPU Benchmarks - High End		
Intel Xeon D-1507 @ 2.10GHz			10,447	NA
Intel Core i7-1185G7 @ 3.00GHz			10,434	\$426.00*
Intel Xeon E5-1650 v3 @ 3.50GHz			10,422	\$54.96
Intel Xeon E5-2630 v3 @ 2.40GHz			10,420	\$8.99
Intel Core i5-9600 @ 3.10GHz			10,404	\$175.00
Intel Xeon E5-4640 v3 @ 1.90GHz			10,372	NA
QTI QCS8550			10,369	NA
Intel Xeon Silver 4109T @ 2.00GHz			10,348	\$692.02*
Intel Core i7-5930K @ 3.50GHz			10,331	\$222.37*
Intel Core i7-9700TE @ 1.80GHz			10,280	\$323.00*
Intel Xeon E5-1660 v2 @ 3.70GHz			10,278	\$189.95*
Intel Core i7-1365URE			10,278	\$463.00*
Intel Core i3-10325 @ 3.90GHz			10,268	\$190.10*
Intel Core i7-1185G7E @ 2.80GHz			10,256	\$431.00*
Intel Core i7-1165G7 @ 2.80GHz			10,240	\$426.00*
Intel Core i7-8850H @ 2.60GHz			10,224	\$395.00*
Intel Core i5-8600K @ 3.60GHz			10,199	\$123.00
Intel Xeon Silver 4110 @ 2.10GHz			10,183	\$189.95
Intel Core i7-8700T @ 2.40GHz			10,169	\$298.95*
Intel Core i5-1155G7 @ 2.50GHz			10,168	\$309.00*
Intel Xeon D-1541 @ 2.10GHz			10,120	NA
Snapdragon 8cx Gen 3 @ 2.69 GHz			10,110	NA
Intel Core i3-N305			10,095	\$309.00*
Intel Core i7-4960X @ 3.60GHz			10,092	\$1,250.00*
Intel Core i5-10500T @ 2.30GHz			10,065	\$99.99*
Intel Xeon D-1540 @ 2.00GHz			10,061	NA
Intel Core i5-9500F @ 3.00GHz			10,028	\$150.00
Intel Core i7-11390H @ 3.40GHz			10,019	\$426.00*
Intel Core i3-10320 @ 3.80GHz			10,010	\$120.00
Intel Xeon W-2125 @ 4.00GHz			10,009	\$564.95*
AMD Ryzen 3 PRO 4450U			10,009	NA
Intel Xeon E5-2687W @ 3.10GHz			9,986	\$1,180.00
Intel Xeon E-2234 @ 3.60GHz			9,958	\$623.60*
Intel Core i5-8600 @ 3.10GHz			9,952	\$139.00
Intel Xeon E5-2628L v3 @ 2.00GHz			9,949	NA
Intel Core i7-8750H @ 2.20GHz			9,900	\$395.00*
Apple A15 Bionic			9,897	NA
Intel Xeon E5-2650 v2 @ 2.60GHz			9,876	\$185.00
Intel Core i5-9500TE @ 2.20GHz			9,861	\$192.00*
Intel Xeon E-2274G @ 4.00GHz			9,860	\$431.54*
Intel Xeon E5-2648L v3 @ 1.80GHz			9,847	\$600.53*

Processor	Score	Price
AMD Ryzen 3 5300U	9,679	NA
Intel Core i3-1125G4 @ 2.00GHz	9,671	NA
Intel Core i7-7700K @ 4.20GHz	9,653	\$196.80
Intel Core i3-1215UE	9,643	\$313.00*
AMD Ryzen 5 PRO 3350GE	9,643	NA
Intel Core i7-7740X @ 4.30GHz	9,631	\$130.00
Intel Xeon E-2244G @ 3.80GHz	9,624	\$334.73*
Intel Core i5-9600T @ 2.30GHz	9,607	\$213.00*
Intel Core i7-10710U @ 1.10GHz	9,599	\$644.99*
Intel Xeon E5-4620 v2 @ 2.60GHz	9,590	\$91.00*
Intel Core i5-8500 @ 3.00GHz	9,552	\$99.99
Intel Xeon E5-2651 v2 @ 1.80GHz	9,544	\$278.10*
ARM HUAWEI,Kunpeng 920 24 Core 2600 MHz	9,496	NA
Intel Xeon Gold 5222 @ 3.80GHz	9,489	\$1,107.59
AMD Ryzen 5 2500X	9,482	NA
Intel U300E	9,478	\$196.00*
Intel Core i7-1265UE	9,471	\$472.00*
Intel Core i5-9400F @ 2.90GHz	9,469	\$85.00
Intel Xeon E5-2680 @ 2.70GHz	9,404	\$335.00
Intel Core i7-4930K @ 3.40GHz	9,403	\$100.00
Intel Xeon E5-4655 v3 @ 2.90GHz	9,377	\$4,616.00*
Intel Core i5-9400 @ 2.90GHz	9,370	\$139.00
Apple A12Z Bionic	9,365	NA
Snapdragon 8 Gen2 Mobile Platform for Galaxy	9,362	NA
Intel Xeon E5-1650 v2 @ 3.50GHz	9,352	\$229.95
Intel Core i7-1068NG7 @ 2.30GHz	9,351	\$426.00*
AMD Ryzen 5 3350GE	9,343	NA
Intel Core i5-8600T @ 2.30GHz	9,340	\$199.99*
Intel Pentium Gold 8505	9,334	NA
Intel Xeon E5-4627 v2 @ 3.30GHz	9,320	\$498.95*
Intel Core i3-10300 @ 3.70GHz	9,316	\$159.00
Intel Xeon E-2144G @ 3.60GHz	9,314	\$331.84*
AMD Ryzen 5 7520U	9,312	NA
Intel U300	9,309	\$193.00*
Intel Xeon E3-1275 v6 @ 3.80GHz	9,303	\$356.83*
Intel Core i3-10305 @ 3.80GHz	9,291	\$238.89
AMD Ryzen 5 PRO 3350G	9,288	NA
Intel Xeon D-1557 @ 1.50GHz	9,285	\$694.00*
Intel Core i5-1245UE	9,283	\$312.00*
Intel Core i5-1145G7E @ 2.60GHz	9,279	\$312.00*



### Software

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- > MemTest86
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- > Zoom Search Engine
- > Free Software

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