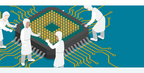
CPU Benchmarks

Over 1,000,000 CPUs Benchmarked



New Laptop CPU Performance

This chart comparing performance of CPUs designed for laptop and portable machines is made using thousands of PerformanceTest benchmark results and is updated daily.

Notes:

- While we try to keep this chart mainly desktop CPU free, there might be some desktop processors in the list. This is because the classification of a laptop CPU is determined at result submission time by the user of PerformanceTest. Some users incorrectly clicked the "Laptop" check box.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older laptop CPUs may not appear.

CPUS
High End
High Mid Range
Low Mid Range
Low End
Best Value (Ok Market)
Best Value XY Scatter
Best Value (All time)
New Desktop
New Laptop
Single Thread
Systems with Multiple CPUs
Overclocked
Power Performance
CPU Mark by Socket Type
Cross-Platform CPU Performance
Top Gaming CPUs
CPU Mega List
Search Model
Compare
Common
Most Benchmarked
AMD vs Intel Market Share
Year on Year Performance

CPU Mark | Price Performance | Sorted by Date

PassMark - CPU Mark

	Price (USD)
AMD Ryzen 9 7945HX3D	10,639	NA
AMD Ryzen 9 7945HX	54,963	NA
Intel Core i9-13980HX	47,396	$668.00*
Intel Core i9-14900HX	48,979	$679.00*
AMD Ryzen 9 7945HX	40,922	NA
Intel Core i9-13900HX	44,664	$668.00*
Intel Core i9-13900KF	44,416	$550.00*
Apple M3 Max 16 Core	40,404	NA
Intel Core i7-14650HX	38,830	$495.00*
Intel Core i7-14700HX	38,247	$495.00*
Intel Core i7-13850HX	38,220	$428.00*
Apple M3 Max 14 Core	36,988	NA
Intel Core i9-12900HX	34,393	$658.00*
Intel Core i7-13700HX	33,985	$495.00*
AMD Ryzen 7 7745HX	32,939	NA
Intel Core i7-12800HX	32,681	$457.00*
Intel Core i9-12950HX	32,427	$590.00*
AMD Ryzen 9 8945HX	31,671	NA
Intel Core i7-13650HX	31,653	$495.00*
Intel Core i9-13900HX	31,312	$697.00*
Intel Core i7-12850HX	30,675	$428.00*
AMD Ryzen 9 7940H	30,710	NA
AMD Ryzen 9 7940HS	30,523	NA
Intel Core i9-10850K	30,396	$607.00*
AMD Ryzen 7 8845H	29,424	NA
Intel Core i9-13900H	29,235	$617.00*
Intel Core i7-14700KF	29,234	$337.00*
Intel Core i9-13900HX	29,162	$326.00*
AMD Ryzen 9 8945HS	29,012	NA
AMD Ryzen 7 7840HS	28,992	NA
Intel Core i5-13600KF	28,788	$284.00*
AMD Ryzen 7 8845HS	28,790	NA
Intel Core Ultra 9 185H	28,632	NA
AMD Ryzen 7 7840H	28,489	NA
AMD Ryzen 9 PRO 7945HS	28,297	NA
Intel Core i9-10900K	28,180	$617.00*
Intel Core i9-12900HK	27,647	$636.00*
Apple M3 Pro 12 Core	27,613	NA
AMD Ryzen 7 PRO 8840HS	27,510	NA
Intel Core Ultra 7 165H	27,505	NA
Intel Core i7-13700H	27,458	$502.00*
Intel Core i7-13800H	27,217	$457.00*
AMD Ryzen 5 7645HX	26,988	NA
Apple M2 Max 12 Core 3680 MHz	26,413	NA
Apple M2 Pro 12 Core 3480 MHz	26,338	NA
AMD Ryzen 7 PRO 7840HS	26,311	NA
Intel Core i7-12700H	26,245	$457.00*
AMD Ryzen 7 8840U	26,044	NA
Intel Core i7-13620H	25,722	$502.00*
AMD Ryzen 7 8840HS	25,636	NA
Intel Core i5-13450HX	25,379	$326.00*
Intel Core i5-12600H	25,126	$311.00*
AMD Ryzen 7 7840U	24,996	NA
Intel Core i7-12800H	24,974	$457.00*
Intel Core Ultra 7 155H	24,902	NA
AMD Ryzen 7 PRO 7840U	24,641	NA
AMD Ryzen 9 6900HX	24,636	NA
AMD Ryzen 7 7840S	24,635	NA
Intel Core i5-12600HX	24,522	$294.00*
Apple M3 Pro 11 Core	24,417	NA
AMD Ryzen 7 7735H	24,262	NA
AMD Ryzen 7 7735HS	24,214	NA
Intel Core Ultra 9 185H	23,765	NA
AMD Ryzen 9 6900HS	23,712	NA
Intel Core i7-13705H	23,682	$502.00*
AMD Ryzen 9 5900HX	23,569	NA
AMD Ryzen 7 6800H	23,527	NA
Intel Core i7-13620TE	23,074	$390.00*
AMD Ryzen 7 PRO 6850H	22,989	NA
Intel Core i5-12500H	22,984	NA
AMD Ryzen 5 PRO 7640HS	22,923	NA
Intel Core i7-12650H	22,920	$457.00*
Intel Core i9-11980HK @ 2.60GHz	22,863	$583.00*
AMD Ryzen 7 6800HS	22,670	NA
AMD Ryzen 5 7640HS	22,036	NA
AMD Ryzen 9 PRO 6950HS	22,797	NA
Intel Core i5-12600H	22,714	$311.00*
Intel Xeon W-11855M @ 2.60GHz	22,634	$623.00*
AMD Ryzen 9 PRO 6950H	22,447	NA
AMD Ryzen 7 7736U	22,195	NA
Apple M1 Max 10 Core 3200 MHz	22,036	NA
AMD Ryzen 7 PRO 6850HS	21,998	NA
AMD Ryzen 9 6900HS Creator Edition	21,957	NA
AMD Ryzen 7 6800HS Creator Edition	21,940	NA
Apple M1 Pro 10 Core 3200 MHz	21,817	NA
Intel Core Ultra 5 125H	21,946	NA
AMD Ryzen 5 7640U	21,622	NA
Apple M2 Pro 10 Core 3480 MHz	21,601	NA
AMD Ryzen 7 Pro 7735U	21,533	NA
AMD Ryzen 7 7735U	21,378	NA
Intel Core i9-11950H @ 2.60GHz	21,309	$556.00*
Intel Core i5-12500H	21,287	$311.00*
AMD Ryzen 7 5800HS Creator Edition	21,166	NA
AMD Ryzen 7 PRO 6850U	20,901	NA
AMD Ryzen 7 PRO 5850U	20,893	NA
AMD Ryzen 7 6800U	20,855	NA
Intel Core i9-11900H @ 2.50GHz	20,646	$546.00*
Intel Core i7-10875H @ 2.30GHz	20,610	$350.00*
Intel Core i7-11850H @ 2.50GHz	20,610	$395.00*
Intel Core i7-1280P	20,594	$482.00*
AMD Ryzen 9 5900H	20,557	NA
Intel Core i5-12500P	20,229	NA
Intel Core i7-13705P	20,174	NA
Apple M3 8 Core	19,693	NA
AMD Ryzen 5 8540U	19,425	NA
Intel Core i7-1360P	19,422	$480.00*
Intel Core i5-1350P	19,376	$320.00*
AMD Ryzen 7 PRO 7730U	19,273	NA
AMD Ryzen 9 7940U	19,213	NA
AMD Ryzen 5 PRO 6650H	19,094	NA
AMD Ryzen 5 6600H	18,917	NA
Intel Core i5-13420H	18,915	$342.00*
Intel Core i5-13400F	18,910	$353.00*
Intel Core Ultra 5 135U	18,856	NA
AMD Ryzen 7 7730U	18,756	NA
Intel Core i5-12450HX	18,643	NA
Intel Core Ultra 7 165U	18,510	NA
AMD Ryzen 5 7530MB	18,434	NA
AMD Ryzen 7 5825U	18,382	NA
AMD Ryzen 5 6600HS Creator Edition	18,355	NA
Intel Xeon W-11855M @ 3.20GHz	18,194	$450.00*
AMD Ryzen 5 PRO 7540U	18,182	NA
AMD Ryzen 5 Pro 7530U	17,791	NA
Intel Core 7 150U	17,787	NA
Intel Core Ultra 5 125U	17,535	$363.00*
AMD Ryzen 7 4980U Microsoft Surface Edition	17,469	NA
Intel Core i7-1270P	17,460	NA
Intel Core i5-1240P	17,270	NA
Intel Core i7-1260P	17,239	NA
Intel Core i5-12450H	17,144	$311.00*
Apple M1 Pro 8 Core 3200 MHz	17,144	NA
Intel Core i7-12705TE	16,833	$344.00*
AMD Ryzen 5 6650U	16,792	NA
AMD Ryzen 5 PRO 6650U	16,736	NA
Intel Core i7-11600H @ 2.90GHz	16,693	$395.00*
Intel Core i7-10750H @ 2.90GHz	16,389	$330.00*
AMD Ryzen 5 7535U	16,026	NA
Intel Core Ultra 7 155U	16,294	$490.00*
AMD Ryzen 5 7530U	16,263	NA
Intel Core Ultra 7 164U	16,246	NA
AMD Ryzen 7 PRO 5875U	16,242	NA
Intel Core i5-1335U	16,152	$340.00*
Intel Core i5-11500H @ 2.90GHz	16,171	$250.00*
AMD Ryzen 7 4800U Mobile	15,920	NA
Intel Core i5-11260H @ 2.60GHz	15,778	$250.00*
Intel Core i5-11400H @ 2.70GHz	15,732	$250.00*
Apple M2 8 Core 3500 MHz	15,496	NA
Intel Core i5-1345U	15,422	$309.00*
AMD Ryzen 5 PRO 7530U	15,309	NA
Intel Core i7-1355U	15,156	$469.00*
AMD Ryzen 5 5560U	15,075	NA
Intel Core i7-1365U	15,065	$426.00*
AMD Ryzen 5 5625U	14,970	NA
AMD Ryzen 5 PRO 5650U	14,953	NA
AMD Ryzen 5 PRO 5675U	14,737	NA
AMD Ryzen 5 7430U	14,730	NA
Intel Core i5-1250TE	14,636	$255.00*
Intel Core i3-1220P	14,424	$291.00*
Intel Core i7-1260U	14,161	NA
Intel Core i7-1265U	13,989	$426.00*
Intel Core i7-1255U	13,746	$426.00*
Intel Core i5-1240U	13,745	NA
Intel Core i5-1235U	13,463	$309.00*
Intel Core i5-1245U	13,419	$309.00*
Intel Core i5-1334U	13,408	$340.00*
AMD Ryzen 3 PRO 7330U	12,755	NA
AMD Ryzen 3 PRO 7320U	12,580	NA
Intel Core i3-1315U	12,440	$309.00*
Intel Core i3-1210TE	12,314	$125.00*
Intel Core i7-1250U	12,052	$426.00*
Intel Core 3 100U	11,885	NA
Snapdragon 8cx Gen 3 @ 3.0 GHz	11,847	NA
Microsoft SQ2 @ 3.0 GHz	11,715	NA
AMD Ryzen 5 5500H	11,671	NA
AMD Ryzen 3 5425U	11,432	NA
AMD Ryzen 3 PRO 5475U	11,384	NA
Intel Core i5-1230U	11,140	$309.00*
AMD Ryzen 3 PRO 5450U	11,066	NA
Intel Core i3-1215U	11,029	NA
Intel Core i5-11320H @ 3.20GHz	11,007	$309.00*
AMD Ryzen 3 7330U	10,910	NA
Intel Core i7-1165G7 @ 2.80GHz	10,829	$426.00*
Intel Core i3-1210U	10,813	NA
Intel Core i5-1135G7 @ 2.50GHz	10,236	$309.00*
Intel Core i3-N305	10,090	$308.00*
Intel Core i7-1360P @ 3.40GHz	10,073	$426.00*
Intel Pentium Gold 8505	9,368	NA
Intel U300	9,309	$193.00*
AMD Ryzen 5 7520U	9,263	NA
Intel Core i7-1265UE	9,158	$472.00*
Intel Core i3-1305U	9,062	$309.00*
AMD Ryzen 3 7320U	8,955	NA
AMD Ryzen 3 7320C	8,614	NA
Intel Core i5-1030G7E @ 2.30GHz	8,449	$195.00*
AMD Athlon Gold PRO 4150GE	8,259	NA
Intel Core i3-N300	7,884	$309.00*
AMD Ryzen 5 Microsoft Surface Edition	7,243	NA
AMD Ryzen 7 3700C	7,140	NA
Snapdragon 8cx Gen 2 @ 3.0 GHz	6,775	NA
AMD Ryzen 3 3350U	6,016	NA
AMD Ryzen 3 3200C	5,647	NA
Intel N95	5,387	NA
Intel Pentium Silver N6005 @ 2.00GHz	5,361	NA
Snapdragon 8c @ 2.46 GHz	5,230	NA
AMD Athlon Gold 7220U	4,793	NA
Intel Core i7-6570HQ @ 2.80GHz	4,632	NA
Intel Pentium 6805 @ 1.10GHz	4,424	$161.00*
Intel Core i5-6350HQ @ 2.30GHz	4,295	$306.00*
Intel Core i3-8145U @ 2.10GHz	4,227	NA
AMD Athlon PRO 300U	4,080	NA
Snapdragon 7c Gen 2 @ 2.55 GHz	3,831	NA
Snapdragon 7c @ 1.96 GHz	3,713	NA
Intel Pentium Silver N5030 @ 1.10GHz	3,404	NA
AMD Athlon Gold 3150C	3,292	NA
Intel Core i3-6167U @ 2.70GHz	3,259	NA
AMD Ryzen 3 3250C	3,153	NA
AMD Athlon Silver 7120U	3,150	NA
AMD Athlon Silver 3050C	2,979	NA
AMD Athlon PRO 300GE	2,610	NA
Intel Celeron 7305	2,379	$107.00*
Intel Celeron N4020C @ 1.10GHz	1,523	NA
AMD A4-1350 APU	894	NA
AMD Turion X2 Dual-Core Mobile RM-70	799	NA
Intel Pentium Dual T2390 @ 1.86GHz	745	NA

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