

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	CPU Mark	Price Performance	Sorted by Date
<ul style="list-style-type: none"> High End High Mid Range Low Mid Range Low End 	<h3>PassMark - CPU Mark</h3> <p>Laptop & Portable CPU Performance</p> <p>Updated 5th of March 2024</p>		
<ul style="list-style-type: none"> Best Value (On Market) Best Value XY Scatter Best Value (All time) 	CPU	CPU Mark	Price (USD)
<ul style="list-style-type: none"> New Desktop New Laptop 	AMD Ryzen 9 7945HX3D	59,124	NA
	AMD Ryzen 9 7945HX	55,155	NA
	Intel Core i9-13980HX	47,706	\$668.00*
	Intel Core i9-14900HX	46,885	\$679.00*
	AMD Ryzen 9 7845HX	46,319	NA
	Intel Core i9-13950HX	44,678	\$590.00*
	Intel Core i9-13900HX	44,594	\$668.00*
	Apple M3 Max 16 Core	39,997	NA
	Intel Core i7-14650HX	39,206	\$495.00*
	Intel Core i7-13850HX	38,347	\$428.00*
	Apple M3 Max 14 Core	35,463	NA
	Intel Core i9-12900HX	34,711	\$606.00*
	Intel Core i7-13700HX	34,095	\$485.00*
	AMD Ryzen 7 7745HX	32,888	NA
	Intel Core i7-12800HX	32,668	\$457.00*
	Intel Core i9-12950HX	32,520	\$590.00*
	Intel Core Ultra 7 165H	32,163	NA
	Intel Core i7-13650HX	31,929	\$485.00*
	Intel Core i9-13905H	31,839	\$697.00*
	Intel Core i9-13900HK	31,404	\$697.00*
AMD Ryzen 9 7940H	30,873	NA	
Intel Core i7-12850HX	30,738	\$428.00*	
AMD Ryzen 9 7940HS	30,541	NA	
Intel Core i5-13600HX	29,621	\$284.00*	
Intel Core i9-13900H	29,371	\$617.00*	
AMD Ryzen 7 7840HS	29,056	NA	
AMD Ryzen 7 7840H	28,778	NA	
			\$326.00*
			\$617.00*
			NA

🔍 CPU Mega List
Search Model

🔄 Compare ⁰

★ Common
Most Benchma

Intel Core i9-12900HK	28,001	\$635.00*
Intel Core i7-13700H	27,553	\$502.00*
Intel Core Ultra 9 185H	27,158	NA
Apple M3 Pro 12 Core	26,923	NA
AMD Ryzen 5 7645HX	26,868	NA
Intel Core i7-12700H	26,332	\$457.00*
Apple M2 Pro 12 Core 3480 MHz	26,249	NA
Apple M2 Max 12 Core 3680 MHz	26,240	NA
Intel Core i7-13620H	26,000	\$502.00*
AMD Ryzen 7 PRO 7840HS	25,981	NA
AMD Ryzen 7 7840S	25,525	NA
Intel Core i5-13600H	25,417	\$311.00*
AMD Ryzen 7 7840U	25,108	NA
Intel Core i5-13450HX	25,031	\$326.00*
Intel Core i7-12800H	24,988	\$457.00*
AMD Ryzen 9 6900HX	24,865	NA
AMD Ryzen 7 PRO 7840U	24,590	NA
Intel Core i5-12600HX	24,321	\$284.00*
AMD Ryzen 7 7735H	24,298	NA
Intel Core Ultra 5 135H	24,276	NA
AMD Ryzen 7 7735HS	24,243	NA
Intel Core i7-13705H	24,219	\$502.00*
Intel Core Ultra 7 155H	24,121	NA
Apple M3 Pro 11 Core	23,807	NA
AMD Ryzen 9 6900HS	23,765	NA
AMD Ryzen 7 6800H	23,595	NA
AMD Ryzen 9 5980HX	23,561	NA
Intel Core i7-12650H	23,169	\$457.00*
Intel Core i7-13700TE	23,074	\$390.00*
AMD Ryzen 9 PRO 6950HS	22,977	NA
AMD Ryzen 7 PRO 6850H	22,975	NA
Intel Core i5-13500H	22,947	NA
AMD Ryzen 7 6800HS	22,921	NA
Intel Core i9-11980HK @ 2.60GHz	22,894	\$583.00*
AMD Ryzen 5 7640HS	22,830	NA
Intel Xeon W-11955M @ 2.60GHz	22,742	\$623.00*
Intel Core i5-12600H	22,721	\$311.00*
AMD Ryzen 7 7736U	22,560	NA
AMD Ryzen 5 PRO 7640HS	22,526	NA
AMD Ryzen 9 PRO 6950H	22,417	NA
AMD Ryzen 7 6800HS Creator Edition	22,228	NA
AMD Ryzen 9 6900HS Creator Edition	22,187	NA
Apple M1 Max 10 Core 3200 MHz	22,013	NA
AMD Ryzen 7 PRO 6850HS	21,998	NA
Apple M1 Pro 10 Core 3200 MHz	21,793	NA
AMD Ryzen 5 7640U	21,619	NA
Apple M2 Pro 10 Core 3480 MHz	21,541	NA
Intel Core i5-12500H	21,440	\$311.00*
Intel Core i9-11950H @ 2.60GHz	21,434	\$556.00*
AMD Ryzen 7 7735U	21,430	NA
AMD Ryzen 7 5800HS Creator Edition	21,166	NA
AMD Ryzen 9 5900H	20,960	NA
AMD Ryzen 7 PRO 6860Z	20,901	NA
AMD Ryzen 7 PRO 6850U	20,880	NA
		NA
		NA

Intel Core i7-11800H @ 2.30GHz	20,680	\$395.00*
Intel Core i7-11850H @ 2.50GHz	20,668	\$395.00*
Intel Core i9-11900H @ 2.50GHz	20,664	\$546.00*
Intel Core i7-1280P	20,595	\$482.00*
Intel Core i5-1350P	20,521	\$320.00*
Intel Core i7-1370P	20,454	NA
Intel Core i5-1250P	20,279	NA
Intel Core Ultra 5 135U	20,232	NA
AMD Ryzen 7 PRO 7730U	19,765	NA
Intel Core i5-1340P	19,599	\$353.00*
AMD Ryzen 5 7540U	19,220	NA
Intel Core i7-1360P	19,181	\$480.00*
AMD Ryzen 5 PRO 6650H	19,094	NA
AMD Ryzen 5 Pro 7535U	19,012	NA
Apple M3 8 Core	18,942	NA
AMD Ryzen 5 6600H	18,940	NA
Intel Core i5-13420H	18,922	\$342.00*
AMD Ryzen 7 7730U	18,857	NA
Intel Core Ultra 5 125U	18,752	\$363.00*
Intel Core i5-12450HX	18,549	NA
AMD Ryzen 7 5825U	18,410	NA
AMD Ryzen 5 7535HS	18,365	NA
AMD Ryzen 5 6600HS Creator Edition	18,316	NA
Intel Xeon W-11855M @ 3.20GHz	18,268	\$450.00*
AMD Ryzen 5 PRO 7540U	18,102	NA
Intel Core i7-1270P	17,483	NA
AMD Ryzen 7 4980U Microsoft Surface Edition	17,469	NA
Intel Core i5-12450H	17,354	\$311.00*
Intel Core i5-1240P	17,308	NA
Intel Core i7-1260P	17,212	NA
AMD Ryzen 7 PRO 5850U	17,155	NA
Apple M1 Pro 8 Core 3200 MHz	17,124	NA
AMD Ryzen 5 5600H	17,087	NA
AMD Ryzen 5 6600U	16,846	NA
Intel Core i7-12700TE	16,833	\$344.00*
Intel Core Ultra 7 165U	16,756	NA
AMD Ryzen 5 PRO 6650U	16,729	NA
Intel Core i5-1335U	16,553	\$340.00*
Intel Core i7-10700E @ 2.90GHz	16,418	\$330.00*
AMD Ryzen 5 7530U	16,417	NA
AMD Ryzen 5 7535U	16,386	NA
Intel Core i7-11600H @ 2.90GHz	16,268	\$395.00*
Intel Core i5-11500H @ 2.90GHz	16,170	\$250.00*
AMD Ryzen 7 PRO 5875U	16,088	NA
AMD Ryzen 7 4850U Mobile	15,920	NA
Intel Core i5-11400H @ 2.70GHz	15,779	\$250.00*
Intel Core i5-11260H @ 2.60GHz	15,756	\$250.00*
AMD Ryzen 5 5600U	15,480	NA
Apple M2 8 Core 3500 MHz	15,380	NA
Intel Core i7-1355U	15,361	\$469.00*
AMD Ryzen 5 PRO 7530U	15,336	NA
Intel Core i5-1345U	15,300	\$309.00*
Intel Core i7-1365U	15,163	\$426.00*
AMD Ryzen 5 5560U	15,088	NA
		NA
		NA
		NA

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Intel Core i5-12500TE	14,568	\$205.00*
Intel Core i3-1220P	14,422	\$281.00*
Intel Core i7-1260U	13,937	NA
Intel Core i7-1255U	13,772	\$426.00*
Intel Core i5-1240U	13,745	NA
Intel Core i5-1334U	13,669	\$340.00*
Intel Core i5-1235U	13,554	\$309.00*
Intel Core i5-1245U	13,538	\$309.00*
AMD Ryzen 3 PRO 7330U	12,846	NA
Intel Core i3-1315U	12,654	\$309.00*
Intel Core i3-12100TE	12,314	\$125.00*
Intel Core i7-1250U	12,237	\$426.00*
Snapdragon 8cx Gen 3 @ 3.0 GHz	11,853	NA
Microsoft SQ3 @ 3.0 GHz	11,713	NA
AMD Ryzen 3 5425U	11,467	NA
AMD Ryzen 3 PRO 5475U	11,354	NA
AMD Ryzen 5 5500H	11,345	NA
AMD Ryzen 3 PRO 5450U	11,090	NA
AMD Ryzen 3 7330U	11,067	NA
AMD Ryzen 3 5400U	11,029	NA
Intel Core i5-11320H @ 3.20GHz	11,004	\$309.00*
Intel Core i5-11300H @ 3.10GHz	10,979	\$309.00*
Intel Core i7-1195G7 @ 2.90GHz	10,974	\$426.00*
Intel Core i3-1215U	10,874	NA
Intel Core i5-1230U	10,863	\$309.00*
Intel Core i3-1210U	10,641	NA
Intel Core i7-1185G7E @ 2.80GHz	10,524	\$431.00*
Intel Core i7-11390H @ 3.40GHz	10,267	\$426.00*
Intel Core i5-1155G7 @ 2.50GHz	10,234	\$309.00*
Intel Core i3-N305	10,092	\$309.00*
AMD Ryzen 3 5300U	9,712	NA
Intel Core i3-1305U	9,491	\$309.00*
AMD Ryzen 5 7520U	9,463	NA
Intel Pentium Gold 8505	9,367	NA
Intel Core i7-1265UE	9,195	\$472.00*
Intel U300	9,169	\$193.00*
AMD Ryzen 3 7320U	9,017	NA
AMD Ryzen 3 7320C	8,614	NA
Intel Core i3-N300	8,475	\$309.00*
Intel Core i5-10500TE @ 2.30GHz	8,449	\$195.00*
AMD Athlon Gold PRO 4150GE	8,259	NA
Intel Core i5-8269U @ 2.60GHz	8,055	\$320.00*
AMD Ryzen 5 Microsoft Surface Edition	7,243	NA
AMD Ryzen 7 3700C	7,145	NA
Snapdragon 8cx Gen 2 @ 3.0 GHz	6,770	NA
Snapdragon 8cx Gen 2 @ 3.15 GHz	6,586	NA
AMD Ryzen 3 3350U	5,867	NA
AMD Ryzen 5 3500C	5,564	NA
Intel N95	5,387	NA
Intel Pentium Silver N6005 @ 2.00GHz	5,371	NA
Snapdragon 8c @ 2.46 GHz	5,230	NA
AMD Athlon Gold 7220U	4,780	NA
Intel Core i7-6970HQ @ 2.80GHz	4,632	NA
Intel Pentium 6805 @ 1.10GHz	4,424	\$161.00*
		\$306.00*
		NA

AMD Athlon PRO 300U	4,080	NA
Snapdragon 7c Gen 2 @ 2.55 GHz	3,826	NA
Intel Pentium Silver N5020 @ 1.10GHz	3,404	NA
Snapdragon 7c @ 2.40 GHz	3,367	NA
Snapdragon 850 @ 2.96 GHz	3,326	NA
Intel Celeron N5100 @ 1.10GHz	3,306	NA
AMD Athlon Gold 3150C	3,292	NA
Intel Core i3-6167U @ 2.70GHz	3,255	NA
AMD Ryzen 3 3250C	3,208	NA
AMD Athlon Silver 7120U	3,100	NA
AMD Athlon Silver 3050C	2,879	NA
AMD Athlon PRO 3045B	2,618	NA
Intel Celeron 7305	2,433	\$107.00*
Snapdragon 835	2,211	NA
Intel Celeron N4020C @ 1.10GHz	1,545	NA
AMD Turion X2 Dual-Core Mobile RM-76	799	NA
Intel Pentium Dual T2390 @ 1.86GHz	745	NA

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