

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarkd

## 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.

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CPU	CPU Mark	Price Performance		Sorted by Date
High End  High Mid Range  Low Mid Range  Low End	PassMark - CPU Mark			
	Laptop & Portable CPU Performance			
	Updated 24th of May 2024			
	CPU	CPU Mark	Price (USD)	
	AMD Ryzen 9 7945HX3D	<div><div></div></div>	58,829	NA
Best Value (On Market) Best Value XY Scatter Best Value (All time)	AMD Ryzen 9 7945HX	<div><div></div></div>	54,839	NA
	Intel Core i9-13980HX	<div><div></div></div>	47,395	\$668.00*
	Intel Core i9-14900HX	<div><div></div></div>	47,273	\$679.00*
	AMD Ryzen 9 7845HX	<div><div></div></div>	45,903	NA
	Intel Core i9-13900HX	<div><div></div></div>	44,678	\$668.00*
New Desktop  New Laptop	Intel Core i9-13950HX	<div><div></div></div>	44,329	\$590.00*
	Apple M3 Max 16 Core	<div><div></div></div>	40,510	NA
	Intel Core i7-13850HX	<div><div></div></div>	38,281	\$428.00*
	Intel Core i7-14650HX	<div><div></div></div>	38,239	\$495.00*
	Intel Core i7-14700HX	<div><div></div></div>	37,677	\$495.00*
Single Thread  Systems with Multiple CPUs  Overclocked	Apple M3 Max 14 Core	<div><div></div></div>	36,127	NA
	Intel Core i9-12900HX	<div><div></div></div>	34,570	\$606.00*
	Intel Core i7-13700HX	<div><div></div></div>	34,010	\$485.00*
	AMD Ryzen 7 7745HX	<div><div></div></div>	32,835	NA
	Intel Core i7-12800HX	<div><div></div></div>	32,651	\$457.00*
Power Performance  CPU Mark by Socket Type  Cross-Platform CPU Performance  Top Gaming CPUs	Intel Core i9-12950HX	<div><div></div></div>	32,427	\$590.00*
	AMD Ryzen 9 8945H	<div><div></div></div>	31,708	NA
	Intel Core i7-13650HX	<div><div></div></div>	31,682	\$485.00*
	Intel Core i9-13900HX	<div><div></div></div>	31,312	\$697.00*
	Intel Core i7-12850HX	<div><div></div></div>	30,875	\$428.00*
CPU Mega List  Search Model	AMD Ryzen 9 7940H	<div><div></div></div>	30,710	NA
	AMD Ryzen 9 7940HS	<div><div></div></div>	30,521	NA
	Intel Core i9-13950H	<div><div></div></div>	30,039	\$697.00*
	AMD Ryzen 9 8945HS	<div><div></div></div>	29,519	NA
	Intel Core i5-14500HX	<div><div></div></div>	29,436	\$337.00*
Common  Most Benchmarked	Intel Core i9-13900H	<div><div></div></div>	28,190	\$617.00*
	Intel Core i5-13500HX	<div><div></div></div>	28,102	\$326.00*
	AMD Ryzen 7 8845H	<div><div></div></div>	28,091	NA
	AMD Ryzen 7 7840HS	<div><div></div></div>	28,991	NA
	Intel Core Ultra 9 165H	<div><div></div></div>	28,767	NA
AMD vs Intel Market Share  Year on Year Performance	Intel Core i5-13600HX	<div><div></div></div>	28,768	\$284.00*
	AMD Ryzen 7 8845HS	<div><div></div></div>	28,706	NA
	AMD Ryzen 7 7840H	<div><div></div></div>	28,469	NA
	AMD Ryzen 9 PRO 7940HS	<div><div></div></div>	28,287	NA
	Intel Core i9-12900H	<div><div></div></div>	28,175	\$617.00*
	Intel Core i9-12900HX	<div><div></div></div>	27,818	\$635.00*
	Apple M3 Pro 12 Core	<div><div></div></div>	27,563	NA
	Intel Core i7-13700H	<div><div></div></div>	27,444	\$502.00*
	Intel Core i7-13800H	<div><div></div></div>	27,147	\$457.00*
	Intel Core Ultra 7 165H	<div><div></div></div>	27,059	NA
	AMD Ryzen 5 7645HX	<div><div></div></div>	26,868	NA
	AMD Ryzen 7 PRO 8840HS	<div><div></div></div>	26,645	NA
	Apple M2 Max 12 Core 3680 MHz	<div><div></div></div>	26,437	NA
	AMD Ryzen 7 PRO 7840HS	<div><div></div></div>	26,362	NA
	Apple M2 Pro 12 Core 3480 MHz	<div><div></div></div>	26,346	NA
	Intel Core i7-12700H	<div><div></div></div>	26,245	\$457.00*
	Intel Core i7-13620H	<div><div></div></div>	25,706	\$502.00*
	Intel Core i5-13450HX	<div><div></div></div>	25,377	\$326.00*
	AMD Ryzen 7 8840HS	<div><div></div></div>	25,299	NA
	AMD Ryzen 7 7840U	<div><div></div></div>	25,011	NA
	Intel Core i7-12800H	<div><div></div></div>	24,960	\$457.00*
	Intel Core Ultra 7 155H	<div><div></div></div>	24,919	NA
	AMD Ryzen 7 PRO 7840U	<div><div></div></div>	24,856	NA
	AMD Ryzen 9 6900HX	<div><div></div></div>	24,827	NA
	AMD Ryzen 7 8840U	<div><div></div></div>	24,684	NA
	Intel Core i5-13600H	<div><div></div></div>	24,680	\$311.00*
	AMD Ryzen 7 7840S	<div><div></div></div>	24,635	NA
	Intel Core i5-12600HX	<div><div></div></div>	24,522	\$284.00*
	Apple M3 Pro 11 Core	<div><div></div></div>	24,486	NA
	AMD Ryzen 7 7735H	<div><div></div></div>	24,262	NA
	AMD Ryzen 7 7735HS	<div><div></div></div>	24,228	NA
	Intel Core Ultra 5 135H	<div><div></div></div>	24,060	NA
	AMD Ryzen 9 6900HS	<div><div></div></div>	23,708	NA
	Intel Core i7-13705H	<div><div></div></div>	23,682	\$502.00*
	AMD Ryzen 9 5980HX	<div><div></div></div>	23,552	NA
	AMD Ryzen 7 6800H	<div><div></div></div>	23,513	NA
	Intel Core i7-13700TE	<div><div></div></div>	23,074	\$390.00*
	Intel Core i5-13500H	<div><div></div></div>	22,956	NA
	AMD Ryzen 5 PRO 7640HS	<div><div></div></div>	22,923	NA
	Intel Core i7-12650H	<div><div></div></div>	22,912	\$457.00*
	AMD Ryzen 7 PRO 6850H	<div><div></div></div>	22,897	NA
	Intel Core i9-11980HK @ 2.60GHz	<div><div></div></div>	22,891	\$583.00*
	AMD Ryzen 7 6800HS	<div><div></div></div>	22,856	NA
	AMD Ryzen 5 7640HS	<div><div></div></div>	22,851	NA
	AMD Ryzen 9 PRO 6950HS	<div><div></div></div>	22,797	NA
	Intel Core i5-12600H	<div><div></div></div>	22,714	\$311.00*
	Intel Xeon W-11955M @ 2.60GHz	<div><div></div></div>	22,624	\$623.00*
	AMD Ryzen 9 PRO 6950H	<div><div></div></div>	22,447	NA
	AMD Ryzen 7 7736U	<div><div></div></div>	22,195	NA
	Apple M1 Max 10 Core 3200 MHz	<div><div></div></div>	22,026	NA
	AMD Ryzen 7 PRO 6850HS	<div><div></div></div>	21,998	NA
	AMD Ryzen 9 6900HS Creator Edition	<div><div></div></div>	21,957	NA
	AMD Ryzen 7 6800HS Creator Edition	<div><div></div></div>	21,940	NA
	Apple M1 Pro 10 Core 3200 MHz	<div><div></div></div>	21,820	NA
	AMD Ryzen 5 7640U	<div><div></div></div>	21,622	NA
	Apple M2 Pro 10 Core 3480 MHz	<div><div></div></div>	21,610	NA
	AMD Ryzen 7 Pro 7735U	<div><div></div></div>	21,474	NA
	Intel Core i9-11950H @ 2.60GHz	<div><div></div></div>	21,359	\$556.00*
	AMD Ryzen 7 7735U	<div><div></div></div>	21,340	NA
	Intel Core i5-12500H	<div><div></div></div>	21,283	\$311.00*
	Intel Core Ultra 5 125H	<div><div></div></div>	21,243	NA
	AMD Ryzen 7 5800HS Creator Edition	<div><div></div></div>	21,166	NA
	AMD Ryzen 7 PRO 6850U	<div><div></div></div>	20,897	NA
	AMD Ryzen 7 PRO 6860Z	<div><div></div></div>	20,863	NA
	Intel Core i9-11900H @ 2.50GHz	<div><div></div></div>	20,656	\$546.00*
	AMD Ryzen 7 6800U	<div><div></div></div>	20,655	NA
	Intel Core i7-1280P	<div><div></div></div>	20,606	\$482.00*
	Intel Core i7-11800H @ 2.30GHz	<div><div></div></div>	20,600	\$395.00*
	AMD Ryzen 9 5900H	<div><div></div></div>	20,557	NA
	Intel Core i5-1250P	<div><div></div></div>	20,186	NA
	Intel Core i7-1370P	<div><div></div></div>	20,178	NA
	Apple M3 8 Core	<div><div></div></div>	19,608	NA
	Intel Core i7-1360P	<div><div></div></div>	19,397	\$480.00*
	AMD Ryzen 5 8540U	<div><div></div></div>	19,303	NA
	AMD Ryzen 7 PRO 7730U	<div><div></div></div>	19,273	NA
	Intel Core i5-1350P	<div><div></div></div>	19,252	\$320.00*
	AMD Ryzen 5 7540U	<div><div></div></div>	19,213	NA
	AMD Ryzen 5 PRO 6650H	<div><div></div></div>	19,094	NA
	AMD Ryzen 5 6600H	<div><div></div></div>	18,922	NA
	Intel Core i5-13420H	<div><div></div></div>	18,915	\$342.00*
	Intel Core i5-1340P	<div><div></div></div>	18,853	\$353.00*
	AMD Ryzen 7 7730U	<div><div></div></div>	18,712	NA
	Intel Core Ultra 5 135U	<div><div></div></div>	18,685	NA
	Intel Core i5-12450HX	<div><div></div></div>	18,652	NA
	AMD Ryzen 5 7535HS	<div><div></div></div>	18,418	NA
	AMD Ryzen 7 5825U	<div><div></div></div>	18,384	NA
	AMD Ryzen 5 6600HS Creator Edition	<div><div></div></div>	18,358	NA
	AMD Ryzen 5 PRO 7540U	<div><div></div></div>	18,182	NA
	Intel Xeon W-11855M @ 3.20GHz	<div><div></div></div>	18,153	\$450.00*
	Intel Core Ultra 5 125U	<div><div></div></div>	17,942	\$363.00*
	Intel Core Ultra 7 165U	<div><div></div></div>	17,848	NA
	AMD Ryzen 5 Pro 7535U	<div><div></div></div>	17,755	NA
	Intel Core i7-1270P	<div><div></div></div>	17,473	NA
	AMD Ryzen 7 4980U Microsoft Surface Edition	<div><div></div></div>	17,469	NA
	Intel Core i5-1240P	<div><div></div></div>	17,289	NA
	Intel Core i7-1260P	<div><div></div></div>	17,230	NA
	Apple M1 Pro 8 Core 3200 MHz	<div><div></div></div>	17,149	NA
	Intel Core i5-12450H	<div><div></div></div>	17,117	\$311.00*
	Intel Core Ultra 7 155U	<div><div></div></div>	16,962	\$490.00*
	Intel Core i7-12700TE	<div><div></div></div>	16,933	\$344.00*
	AMD Ryzen 5 6600U	<div><div></div></div>	16,792	NA
	AMD Ryzen 5 PRO 6650U	<div><div></div></div>	16,729	NA
	Intel Core i7-11600H @ 2.90GHz	<div><div></div></div>	16,685	\$395.00*
	Intel Core i7-10700E @ 2.90GHz	<div><div></div></div>	16,599	\$330.00*
	AMD Ryzen 5 7535U	<div><div></div></div>	16,526	NA
	AMD Ryzen 7 PRO 5875U	<div><div></div></div>	16,242	NA
	AMD Ryzen 5 7530U	<div><div></div></div>	16,230	NA
	Intel Core i5-11500H @ 2.90GHz	<div><div></div></div>	16,171	\$250.00*
	Intel Core i5-1335U	<div><div></div></div>	16,133	\$340.00*
	AMD Ryzen 7 4850U Mobile	<div><div></div></div>	15,920	NA
	Intel Core i5-11260H @ 2.60GHz	<div><div></div></div>	15,778	\$250.00*
	Intel Core i5-11400H @ 2.70GHz	<div><div></div></div>	15,730	\$250.00*
	Apple M2 8 Core 3500 MHz	<div><div></div></div>	15,482	NA
	Intel Core i5-1345U	<div><div></div></div>	15,419	\$309.00*
	Intel Core i7-1355U	<div><div></div></div>	15,153	\$469.00*
	AMD Ryzen 5 PRO 7530U	<div><div></div></div>	15,084	NA
	AMD Ryzen 5 5560U	<div><div></div></div>	15,078	NA
	Intel Core i7-1365U	<div><div></div></div>	15,073	\$426.00*
	Intel Core Ultra 7 164U	<div><div></div></div>	15,038	NA
	AMD Ryzen 5 5625U	<div><div></div></div>	14,973	NA
	AMD Ryzen 5 PRO 5675U	<div><div></div></div>	14,737	NA
	AMD Ryzen 5 7430U	<div><div></div></div>	14,675	NA
	Intel Core i5-12500TE	<div><div></div></div>	14,536	\$205.00*
	Intel Core i3-1220P	<div><div></div></div>	14,423	\$281.00*
	Intel Core i7-1260U	<div><div></div></div>	14,161	NA
	Intel Core i7-1265U	<div><div></div></div>	13,905	\$426.00*
	Intel Core i7-1255U	<div><div></div></div>	13,763	\$426.00*
	Intel Core i5-1240U	<div><div></div></div>	13,745	NA
	Intel Core i5-1235U	<div><div></div></div>	13,462	\$309.00*
	Intel Core i5-1245U	<div><div></div></div>	13,419	\$309.00*
	Intel Core i5-1334U	<div><div></div></div>	13,408	\$340.00*
	Intel Core 7 150U	<div><div></div></div>	13,126	NA
	AMD Ryzen 3 7335U	<div><div></div></div>	12,899	NA
	AMD Ryzen 3 PRO 7330U	<div><div></div></div>	12,758	NA
	AMD Ryzen 3 PRO 7335U	<div><div></div></div>	12,560	NA
	Intel Core i3-1315U	<div><div></div></div>	12,433	\$309.00*
	Intel Core i3-12100TE	<div><div></div></div>	12,314	\$125.00*
	Intel Core i7-1250U	<div><div></div></div>	12,052	\$426.00*
	Intel Core 3 100U	<div><div></div></div>	11,885	NA
	Snapdragon 8cx Gen 3 @ 3.0 GHz	<div><div></div></div>	11,847	NA
	AMD Ryzen 5 5500H	<div><div></div></div>	11,671	NA
	Microsoft SQ3 @ 3.0 GHz	<div><div></div></div>	11,649	NA
	AMD Ryzen 3 5425U	<div><div></div></div>	11,432	NA
	AMD Ryzen 3 PRO 5475U	<div><div></div></div>	11,354	NA
	Intel Core i5-1230U	<div><div></div></div>	11,140	\$309.00*
	AMD Ryzen 3 PRO 5450U	<div><div></div></div>	11,066	NA
	Intel Core i3-1215U	<div><div></div></div>	11,008	NA
	Intel Core i5-11320H @ 3.20GHz	<div><div></div></div>	11,007	\$309.00*
	AMD Ryzen 3 7330U	<div><div></div></div>	10,859	NA
	Intel Core i7-1195G7 @ 2.90GHz	<div><div></div></div>	10,825	\$426.00*
	Intel Core i3-1210U	<div><div></div></div>	10,513	NA
	Intel Core i5-1155G7 @ 2.50GHz	<div><div></div></div>	10,203	\$309.00*
	Intel Core i3-N305	<div><div></div></div>	10,100	\$309.00*
	Intel Core i7-11390H @ 3.40GHz	<div><div></div></div>	10,066	\$426.00*
	Intel Pentium Gold 8505	<div><div></div></div>	9,386	NA
	AMD Ryzen 5 7520U	<div><div></div></div>	9,318	NA
	Intel U300	<div><div></div></div>	9,309	\$193.00*
	Intel Core i7-1265UE	<div><div></div></div>	9,195	\$472.00*
	Intel Core i3-1305U	<div><div></div></div>	9,062	\$309.00*
	AMD Ryzen 3 7320U	<div><div></div></div>	9,006	NA
	AMD Ryzen 3 7320C	<div><div></div></div>	8,614	NA
	Intel Core i5-10500TE @ 2.30GHz	<div><div></div></div>	8,449	\$195.00*
	AMD Athlon Gold PRO 4150GE	<div><div></div></div>	8,259	NA
	Intel Core i3-N300	<div><div></div></div>	7,604	\$309.00*
	AMD Ryzen 5 Microsoft Surface Edition	<div><div></div></div>	7,243	NA
	AMD Ryzen 7 3700C	<div><div></div></div>	7,145	NA
	Snapdragon 8cx Gen 2 @ 3.0 GHz	<div><div></div></div>	6,770	NA
	AMD Ryzen 3 3350U	<div><div></div></div>	5,876	NA
	AMD Ryzen 5 3500C			

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