

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 24 months. Older laptop CPUs may not appear.


CPU Mark	Price Performance
Sorted by Date	

PassMark - CPU Mark


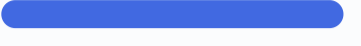




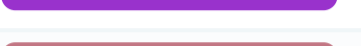


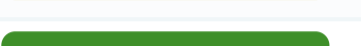



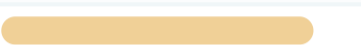
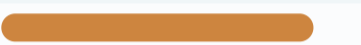







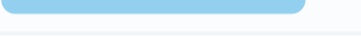








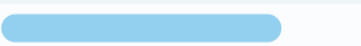







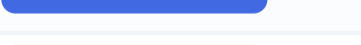

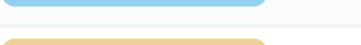


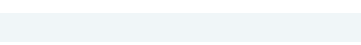


Laptop & Portable CPU Performance



Updated 13th of October 2024

CPU	CPU Mark	Price (USD)
AMD Ryzen 9 7945HX3D	58,107	NA
AMD Ryzen 9 7945HX	54,709	NA
AMD Ryzen 9 7940HX	52,989	NA
Intel Core i9-13980HX	47,315	\$668.00*
Intel Core i9-14900HX	45,671	\$679.00*
AMD Ryzen 9 7845HX	45,589	NA
Intel Core i9-13900HX	44,173	\$668.00*
Intel Core i9-13950HX	43,546	\$590.00*
Apple M3 Max 16 Core	40,840	NA
Intel Core i7-13850HX	38,045	\$428.00*
Intel Core i7-14700HX	37,320	\$495.00*
Intel Core i7-14650HX	36,668	\$495.00*
Apple M3 Max 14 Core	36,499	NA
AMD Ryzen AI 9 HX 370	35,673	NA
Intel Core i7-13700HX	33,619	\$485.00*
AMD Ryzen 7 7745HX	32,670	NA
Intel Core i9-13900HK	31,590	\$697.00*
AMD Ryzen 9 PRO 8945HS	31,524	NA
Intel Core i7-13650HX	31,418	\$485.00*

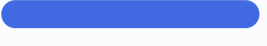





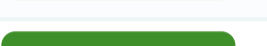



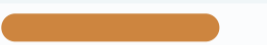





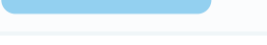







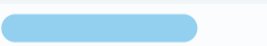







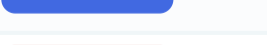

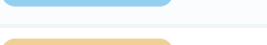


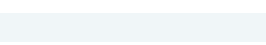

AMD Ryzen 9 8945H		30,800	NA
Intel Core i5-13500HX		30,513	\$326.00*












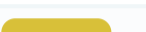



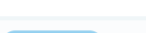
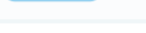
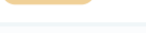
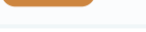











🏠 CPU Benchmarks ▼

Intel Core i9-13905H		30,072	\$697.00*
Intel Core Ultra 9 185H		29,408	NA
AMD Ryzen 9 8945HS		29,355	NA
AMD Ryzen 7 8745H		29,171	NA
AMD Ryzen 7 PRO 8845HS		29,052	NA
AMD Ryzen 7 7840HS		28,906	NA
AMD Ryzen 7 8845HS		28,896	NA
AMD Ryzen AI 9 365		28,858	NA
Intel Core i9-13900H		28,759	\$617.00*
AMD Ryzen 9 7940H		28,716	NA
AMD Ryzen 7 7840H		28,373	NA
AMD Ryzen 9 PRO 7940HS		28,153	NA
AMD Ryzen 7 8845H		27,731	NA
Intel Core i5-13600HX		27,606	\$284.00*
Intel Core i7-13700H		27,205	\$502.00*
Intel Core i7-13800H		27,068	\$457.00*
AMD Ryzen 5 7645HX		26,868	NA
Intel Core i5-14500HX		26,715	\$337.00*
Apple M2 Max 12 Core 3680 MHz		26,608	NA
AMD Ryzen 7 PRO 8840HS		26,568	NA
Apple M2 Pro 12 Core 3480 MHz		26,558	NA
AMD Ryzen 7 PRO 7840HS		26,549	NA
Intel Core Ultra 7 165H		26,348	NA
Apple M3 Pro 12 Core		26,324	NA
Snapdragon X Elite - X1E8010		26,323	NA
Intel Core i5-13450HX		25,533	\$326.00*
Intel Core Ultra 7 155H		25,021	NA
AMD Ryzen 7 7840U		24,981	NA
Intel Core i7-13620H		24,912	\$502.00*
AMD Ryzen 7 PRO 7840U		24,780	NA
Apple M3 Pro 11 Core		24,766	NA
AMD Ryzen 7 7840S		24,635	NA
Qualcomm Snapdragon X Elite - X1E-84-100		24,528	NA
AMD Ryzen 7 8840HS		24,268	NA
Intel Core i5-13600H		24,255	\$311.00*
AMD Ryzen 7 7435HS		24,061	NA
AMD Ryzen 7 7735HS		23,977	NA
AMD Ryzen 7 PRO 8840U		23,862	NA
AMD Ryzen 7 7735H		23,851	NA
AMD Ryzen 7 8840U		23,792	NA
Intel Core i7-13705H		23,662	\$502.00*
Qualcomm Snapdragon X Elite - X1E-80-100		23,343	NA
Intel Core i7-13700TE		23,074	\$390.00*
Intel Core Ultra 5 135H		22,970	NA
AMD Ryzen 5 7640HS		22,933	NA
Qualcomm Snapdragon X Elite - X1E-78-100		22,781	NA
AMD Ryzen 5 PRO 7640HS		22,778	NA

AMD Ryzen 5 8645HS		22,731	NA
Intel Core i5-13500H		22,725	NA

CPU Benchmarks

AMD Ryzen 7 7736U		22,195	NA
Qualcomm Snapdragon X Plus X1P-64-100		22,187	NA
AMD Ryzen 5 PRO 8640HS		22,041	NA
Intel Core Ultra 7 256V		22,035	NA
Apple M2 Pro 10 Core 3480 MHz		21,729	NA
AMD Ryzen 5 PRO 7640U		21,287	NA
AMD Ryzen 7 7735U		21,227	NA
AMD Ryzen 5 7640U		21,193	NA
AMD Ryzen 5 8640U		20,772	NA
Intel Core i7-12650HX		20,612	\$472.00*
Intel Core Ultra 5 226V		20,276	NA
Intel Core i7-1370P		20,150	NA
AMD Ryzen 7 Pro 7735U		19,632	NA
AMD Ryzen 5 8640HS		19,608	NA
Intel Core Ultra 9 288V		19,288	NA
Apple M3 8 Core		19,255	NA
Intel Core Ultra 7 258V		19,218	NA
Intel Core i7-1360P		19,174	\$480.00*
AMD Ryzen 7 PRO 7730U		19,045	NA
Intel Core i5-12450HX		18,995	NA
Intel Core i5-1350P		18,946	\$320.00*
Intel Core i5-1340P		18,846	\$353.00*
AMD Ryzen 5 7540U		18,685	NA
AMD Ryzen 7 7730U		18,632	NA
AMD Ryzen 5 PRO 8540U		18,486	NA
Intel Core i5-13420H		18,461	\$342.00*
AMD Ryzen 5 7535HS		18,397	NA
AMD Ryzen 5 8540U		18,282	NA
AMD Ryzen 5 PRO 7540U		18,071	NA
Intel Core Ultra 5 135U		17,704	NA
AMD Ryzen 5 Pro 7535U		17,700	NA
Intel Core Ultra 7 165U		17,549	NA
Intel Core Ultra 5 125U		17,524	\$363.00*
AMD Ryzen 5 7535U		17,079	NA
Intel Core Ultra 7 155U		16,913	\$490.00*
Intel Core 7 150U		16,097	NA
AMD Ryzen 5 7530U		16,064	NA
AMD Ryzen 5 7430U		15,744	NA
Intel Core i5-1345U		15,131	\$309.00*
Intel Core Ultra 7 164U		15,106	NA
Intel Core 3 100U		15,072	NA
AMD Ryzen 5 PRO 7530U		15,047	NA
Intel Core i7-1365U		14,842	\$426.00*
Intel Core i7-1355U		14,808	\$469.00*
Intel Core i5-1335U		14,751	\$340.00*
Intel Core i5-1334U		13,182	\$340.00*
AMD Ryzen 3 7440U		12,991	NA

AMD Ryzen 3 8440U		12,805	NA
Intel Core i5-1240U		12,652	NA
CPU Benchmarks ▼			
Intel Core i3-1315U		12,286	\$309.00*
AMD Ryzen 3 PRO 7330U		12,233	NA
AMD Ryzen 3 7335U		12,230	NA
Intel Core Ultra 5 134U		12,058	\$332.00*
Microsoft SQ3 @ 3.0 GHz		11,727	NA
AMD Ryzen 5 5500H		11,661	NA
AMD Ryzen 5 7235HS		11,397	NA
AMD Ryzen 3 7330U		10,978	NA
Intel Core i3-N305		9,967	\$309.00*
Intel Core i7-1265UE		9,471	\$472.00*
AMD Ryzen 5 7520U		9,213	NA
AMD Ryzen 3 7320U		8,853	NA
Intel Core i3-1305U		8,789	\$309.00*
Intel Core i3-N300		8,693	\$309.00*
AMD Ryzen 3 7320C		8,614	NA
Intel U300		8,299	\$193.00*
AMD Ryzen 5 Microsoft Surface Edition		7,243	NA
Intel Core i3-1025G1 @ 1.20GHz		6,180	NA
Intel N95		5,357	NA
AMD Athlon Gold 7220U		4,740	NA
Intel Core i7-6970HQ @ 2.80GHz		4,632	NA
AMD Athlon PRO 300U		4,080	NA
Intel Core i3-6167U @ 2.70GHz		3,255	NA
AMD Athlon Silver 7120U		3,209	NA
ARM Cortex-A78 4 Core 2000 MHz		3,016	NA
AMD Athlon PRO 3045B		2,618	NA
AMD A4-1350 APU		911	NA
AMD Turion X2 Dual-Core Mobile RM-76		799	NA

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