

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.




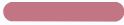






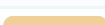




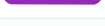
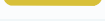














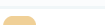
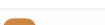
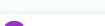
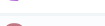
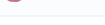
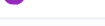
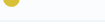
Notes:

- 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
<h3>PassMark - CPU Mark</h3> <p>Laptop & Portable CPU Performance</p> <p>Updated 15th of November 2024</p>			
CPU	CPU Mark		Price (USD)
AMD Ryzen 9 7945HX3D	<div></div>	57,908	NA
AMD Ryzen 9 7945HX	<div></div>	54,659	NA
AMD Ryzen 9 7940HX	<div></div>	53,696	NA
Intel Core i9-13980HX	<div></div>	47,179	\$668.00*
Intel Core i9-14900HX	<div></div>	45,756	\$679.00*
AMD Ryzen 9 7845HX	<div></div>	45,695	NA
Intel Core i9-13900HX	<div></div>	44,110	\$668.00*
Intel Core i9-13950HX	<div></div>	43,504	\$590.00*
Apple M4 Max 16 Core	<div></div>	42,860	NA
Apple M3 Max 16 Core	<div></div>	40,993	NA
AMD Ryzen 7 7840HX	<div></div>	40,826	NA
Apple M4 Pro 14 Core	<div></div>	38,427	NA
Apple M4 Max 14 Core	<div></div>	38,106	NA
Intel Core i7-13850HX	<div></div>	38,094	\$428.00*
Intel Core i7-14700HX	<div></div>	37,328	\$495.00*
Intel Core i7-14650HX	<div></div>	36,742	\$495.00*
Apple M3 Max 14 Core	<div></div>	36,564	NA
AMD Ryzen AI 9 HX 370	<div></div>	35,500	NA
Intel Core i7-13700HX	<div></div>	33,566	\$485.00*

⌵	Apple M4 Pro 12 Core	<div></div>	32,766	NA
⌵	AMD Ryzen 7 7745HX	<div></div>	32 759	NA
<div> <div>🏠</div> <div>CPU Benchmarks</div> <div>▼</div> </div>				
⌵	Intel Core i7-13650HX	<div></div>	31,368	\$485.00*
⌵	AMD Ryzen 7 8745HS	<div></div>	31,359	NA
⌵	Intel Core i5-13500HX	<div></div>	30,495	\$326.00*
⌵	AMD Ryzen 9 PRO 8945HS	<div></div>	30,494	NA
⌵	AMD Ryzen 9 7940HS	<div></div>	30,391	NA
⌵	AMD Ryzen AI 9 HX 375	<div></div>	30,264	NA
⌵	Intel Core i9-13905H	<div></div>	30,207	\$697.00*
⌵	AMD Ryzen 9 8945H	<div></div>	30,112	NA
⌵	AMD Ryzen 9 8945HS	<div></div>	29,633	NA
⌵	Intel Core Ultra 9 185H	<div></div>	29,356	NA
⌵	AMD Ryzen 7 8745H	<div></div>	29,351	NA
⌵	AMD Ryzen 7 PRO 8845HS	<div></div>	29,199	NA
⌵	AMD Ryzen AI 9 365	<div></div>	29,018	NA
⌵	AMD Ryzen 7 7840HS	<div></div>	28,917	NA
⌵	AMD Ryzen 7 8845HS	<div></div>	28,903	NA
⌵	Intel Core i9-13900H	<div></div>	28,722	\$617.00*
⌵	AMD Ryzen 9 7940H	<div></div>	28,660	NA
⌵	AMD Ryzen 7 7840H	<div></div>	28,390	NA
⌵	AMD Ryzen 9 PRO 7940HS	<div></div>	28,144	NA
⌵	AMD Ryzen 7 8845H	<div></div>	27,870	NA
⌵	Intel Core i5-13600HX	<div></div>	27,606	\$284.00*
⌵	Intel Core i5-14500HX	<div></div>	27,315	\$337.00*
⌵	Intel Core i7-13700H	<div></div>	27,117	\$502.00*
⌵	Intel Core i7-13800H	<div></div>	27,098	\$457.00*
⌵	AMD Ryzen 5 7645HX	<div></div>	26,868	NA
⌵	AMD Ryzen 7 PRO 7840HS	<div></div>	26,716	NA
⌵	Apple M2 Max 12 Core 3680 MHz	<div></div>	26,642	NA
⌵	Apple M2 Pro 12 Core 3480 MHz	<div></div>	26,601	NA
⌵	AMD Ryzen 7 PRO 8840HS	<div></div>	26,565	NA
⌵	Intel Core Ultra 7 165H	<div></div>	26,210	NA
⌵	Apple M3 Pro 12 Core	<div></div>	25,819	NA
⌵	Intel Core i5-13450HX	<div></div>	25,547	\$326.00*
⌵	Intel Core Ultra 7 155H	<div></div>	25,009	\$503.00*
⌵	AMD Ryzen 7 7840U	<div></div>	24,981	NA
⌵	Intel Core i7-13620H	<div></div>	24,868	\$502.00*
⌵	Apple M3 Pro 11 Core	<div></div>	24,745	NA
⌵	AMD Ryzen 7 PRO 7840U	<div></div>	24,729	NA
⌵	Apple M4 10 Core	<div></div>	24,666	NA
⌵	Qualcomm Snapdragon X Elite - X1E-84-100	<div></div>	24,528	NA
⌵	AMD Ryzen 7 8840HS	<div></div>	24,506	NA
⌵	AMD Ryzen 7 7840S	<div></div>	24,309	NA
⌵	Intel Core i5-13600H	<div></div>	24,255	\$311.00*
⌵	AMD Ryzen 7 PRO 8840U	<div></div>	24,001	NA
⌵	AMD Ryzen 7 7735HS	<div></div>	23,937	NA
⌵	AMD Ryzen 7 7435HS	<div></div>	23,933	NA

AMD Ryzen 7 8840U	<div></div>	23,867	NA
AMD Ryzen 7 7735H	<div></div>	23,817	NA
<div> <div></div> <div>CPU Benchmarks</div> <div></div> </div>			
Intel Core i7-13700TE	<div></div>	23,113	\$390.00*
Qualcomm Snapdragon X Elite - X1E-78-100	<div></div>	23,014	NA
Intel Core Ultra 5 135H	<div></div>	22,984	NA
AMD Ryzen 5 7640HS	<div></div>	22,981	NA
Qualcomm Snapdragon X Elite - X1E-80-100	<div></div>	22,947	NA
AMD Ryzen 5 PRO 7640HS	<div></div>	22,778	NA
AMD Ryzen 5 8645HS	<div></div>	22,756	NA
Intel Core i5-13500H	<div></div>	22,701	NA
AMD Ryzen AI 7 PRO 360	<div></div>	22,527	NA
Intel Core Ultra 5 125H	<div></div>	22,282	NA
Qualcomm Snapdragon X Plus X1P-64-100	<div></div>	22,195	NA
AMD Ryzen 5 PRO 8640HS	<div></div>	22,041	NA
AMD Ryzen 7 7736U	<div></div>	21,898	NA
Apple M2 Pro 10 Core 3480 MHz	<div></div>	21,744	NA
AMD Ryzen 5 PRO 7640U	<div></div>	21,287	NA
AMD Ryzen 5 7640U	<div></div>	21,177	NA
AMD Ryzen 7 7735U	<div></div>	21,169	NA
AMD Ryzen 5 8640U	<div></div>	20,971	NA
Intel Core i7-12650HX	<div></div>	20,612	\$472.00*
Intel Core i7-1370P	<div></div>	20,144	NA
AMD Ryzen 7 Pro 7735U	<div></div>	19,584	NA
Intel Core Ultra 9 288V	<div></div>	19,542	NA
AMD Ryzen 5 8640HS	<div></div>	19,513	NA
Intel Core Ultra 7 258V	<div></div>	19,509	NA
Intel Core Ultra 7 256V	<div></div>	19,320	NA
Apple M3 8 Core	<div></div>	19,227	NA
Intel Core i7-1360P	<div></div>	19,071	\$480.00*
Intel Core i5-1350P	<div></div>	18,833	\$320.00*
Intel Core Ultra 5 226V	<div></div>	18,795	NA
Intel Core i5-1340P	<div></div>	18,757	\$353.00*
Intel Core i5-12450HX	<div></div>	18,729	NA
AMD Ryzen 5 7540U	<div></div>	18,690	NA
AMD Ryzen 7 7730U	<div></div>	18,625	NA
AMD Ryzen 5 8540U	<div></div>	18,534	NA
Intel Core i5-13420H	<div></div>	18,495	\$342.00*
AMD Ryzen 5 7535HS	<div></div>	18,383	NA
AMD Ryzen 5 PRO 7540U	<div></div>	18,254	NA
AMD Ryzen 5 PRO 8540U	<div></div>	17,871	NA
AMD Ryzen 5 Pro 7535U	<div></div>	17,708	NA
Intel Core Ultra 5 135U	<div></div>	17,611	NA
Intel Core Ultra 5 125U	<div></div>	17,543	\$363.00*
Intel Core Ultra 7 165U	<div></div>	17,535	NA
AMD Ryzen 5 7535U	<div></div>	17,119	NA
Intel Core Ultra 7 155U	<div></div>	16,726	\$490.00*
Intel Core 7 150U	<div></div>	16,021	NA

AMD Ryzen 5 7530U		15,990	NA
AMD Ryzen 5 7430U		15,548	NA
CPU Benchmarks			
AMD Ryzen 5 PRO 7530U		15,052	NA
Intel Core i5-1345U		15,025	\$309.00*
Intel Core 3 100U		14,987	NA
Intel Core i7-1355U		14,854	\$469.00*
Intel Core i7-1365U		14,783	\$426.00*
Intel Core i5-1335U		14,752	\$340.00*
Intel Core i5-1334U		13,303	\$340.00*
AMD Ryzen 3 7440U		12,991	NA
AMD Ryzen 3 8440U		12,805	NA
AMD Ryzen 3 PRO 7335U		12,440	NA
AMD Ryzen 3 7335U		12,425	NA
AMD Ryzen 3 PRO 7330U		12,233	NA
Intel Core i3-1315U		12,191	\$309.00*
Intel Core Ultra 5 134U		11,989	\$332.00*
AMD Ryzen 5 5500H		11,660	NA
AMD Ryzen 5 7235HS		11,478	NA
AMD Ryzen 3 7330U		11,005	NA
Intel Core i3-N305		9,965	\$309.00*
AMD Ryzen 5 7520U		9,198	NA
AMD Ryzen 3 7320U		8,847	NA
Intel Core i3-1305U		8,789	\$309.00*
Intel Core i3-N300		8,655	\$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		5,359	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		3,142	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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