

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.

CPU Mark	Price Performance
Sorted by Date	










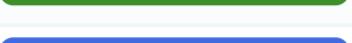
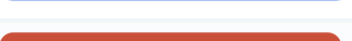











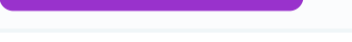

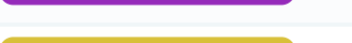






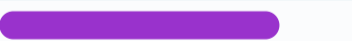





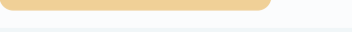
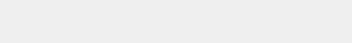
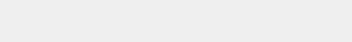
PassMark - CPU Mark



Laptop & Portable CPU Performance
 Updated 4th of January 2024

CPU	CPU Mark	Price (USD)
AMD Ryzen 9 7945HX3D	57,174	NA
AMD Ryzen 9 7945HX	55,252	NA
Intel Core i9-13980HX	48,037	\$668.00*
AMD Ryzen 9 7845HX	46,428	NA
Intel Core i9-13950HX	45,126	\$590.00*
Intel Core i9-13900HX	44,945	\$668.00*
Apple M3 Max 16 Core	40,060	NA
Intel Core i7-13850HX	38,639	\$428.00*


Intel Core i7-13700HX		34,200	\$485.00*
Intel Core Ultra 9 185H		33,266	NA



CPU Benchmarks

Intel Core i9-12950HX		32,912	\$590.00*
Intel Core i7-12800HX		32,744	\$457.00*
Intel Core i9-13900HK		32,239	\$697.00*
Intel Core i7-13650HX		31,991	\$485.00*
Intel Core Ultra 7 165H		31,583	NA
Intel Core i9-13905H		31,253	\$697.00*
AMD Ryzen 9 7940H		30,873	NA
AMD Ryzen 9 7940HS		30,568	NA
Intel Core i7-12850HX		30,459	\$428.00*
Intel Core i9-13900H		29,666	\$617.00*
Intel Core i5-13600HX		29,621	\$284.00*
AMD Ryzen 7 7840H		29,242	NA
AMD Ryzen 7 7840HS		28,836	NA
Intel Core i9-12900H		28,509	\$617.00*
Intel Core i5-13500HX		28,328	\$326.00*
Intel Core i9-12900HK		28,049	\$635.00*
Intel Core i7-13700TE		27,933	\$390.00*
AMD Ryzen 9 PRO 7940HS		27,909	NA
Intel Core i7-13700H		27,834	\$502.00*
Intel Core i7-13800H		27,322	\$457.00*
Apple M3 Pro 12 Core		26,908	NA
Intel Core i7-13620H		26,438	\$502.00*
Intel Core i7-12700H		26,401	\$457.00*
Apple M2 Pro 12 Core 3480 MHz		26,243	NA
Apple M2 Max 12 Core 3680 MHz		26,234	NA
AMD Ryzen 7 PRO 7840HS		25,795	NA
Intel Core i5-13600H		25,569	\$311.00*
Intel Core i5-13450HX		25,380	\$326.00*
AMD Ryzen 7 7840U		25,352	NA
AMD Ryzen 7 7840S		25,347	NA
Intel Core i7-12800H		24,971	\$457.00*
AMD Ryzen 9 6900HX		24,887	NA
Intel Core i7-13705H		24,659	\$502.00*
AMD Ryzen 7 PRO 7840U		24,552	NA
Intel Core Ultra 5 135H		24,276	NA
AMD Ryzen 7 7735HS		24,253	NA
AMD Ryzen 7 7735H		24,248	NA
Intel Core i5-12600HX		24,039	\$284.00*
Apple M3 Pro 11 Core		23,860	NA
AMD Ryzen 9 6900HS		23,859	NA
AMD Ryzen 7 6800H		23,634	NA
AMD Ryzen 9 5980HX		23,626	NA
Intel Core i5-13500H		23,333	NA
Intel Core i7-12650H		23,287	\$457.00*
AMD Ryzen 5 7640HS		22,271	NA



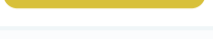
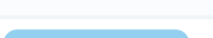







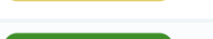

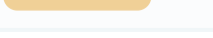
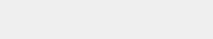
AMD Ryzen 7 6800HS		22,945	NA
Intel Core i9-11980HK @ 2.60GHz		22,918	\$583.00*



 CPU Benchmarks 

Intel Xeon W-11955M @ 2.60GHz		22,782	\$623.00*
Intel Core Ultra 7 155H		22,676	NA
AMD Ryzen 9 5900HX		22,668	NA
AMD Ryzen 7 7736U		22,560	NA
AMD Ryzen 5 PRO 7640HS		22,526	NA
AMD Ryzen 7 6800HS Creator Edition		22,520	NA
AMD Ryzen 9 PRO 6950H		22,432	NA
AMD Ryzen 9 6900HS Creator Edition		22,240	NA
Apple M1 Max 10 Core 3200 MHz		22,026	NA
AMD Ryzen 7 PRO 6850HS		21,998	NA
AMD Ryzen 9 5900HS		21,811	NA
Apple M1 Pro 10 Core 3200 MHz		21,795	NA
AMD Ryzen 5 7640U		21,601	NA
Apple M2 Pro 10 Core 3480 MHz		21,544	NA
Intel Core i5-12500H		21,527	\$311.00*
AMD Ryzen 7 7735U		21,455	NA
Intel Core i9-11950H @ 2.60GHz		21,455	\$556.00*
AMD Ryzen 9 5980HS		21,232	NA
AMD Ryzen 7 5800HS Creator Edition		21,166	NA
AMD Ryzen 7 5800H		21,128	NA
AMD Ryzen 9 5900H		20,960	NA
Intel Core i7-1370P		20,959	NA
AMD Ryzen 7 PRO 6860Z		20,869	NA
AMD Ryzen 7 PRO 6850U		20,862	NA
Intel Core i5-1350P		20,843	\$320.00*
Intel Core i9-11900H @ 2.50GHz		20,765	\$546.00*
Intel Core i7-11800H @ 2.30GHz		20,744	\$395.00*
Intel Core i7-11850H @ 2.50GHz		20,732	\$395.00*
AMD Ryzen 7 6800U		20,650	NA
Intel Core i5-1250P		20,536	NA
Intel Core i7-1280P		20,451	\$482.00*
AMD Ryzen 7 5800HS		20,329	NA
AMD Ryzen 7 PRO 7730U		20,254	NA
Intel Core i5-1340P		20,111	\$353.00*
Intel Core Ultra 5 125H		20,071	NA
AMD Ryzen 5 PRO 6650H		19,907	NA
Intel Core i7-1360P		19,255	\$480.00*
AMD Ryzen 5 7540U		19,087	NA
Intel Core i5-12450HX		19,032	NA
AMD Ryzen 5 6600H		18,948	NA
Intel Core i5-13420H		18,947	\$342.00*
AMD Ryzen 7 7730U		18,906	NA
Apple M3 8 Core		18,877	NA
AMD Ryzen 5 6600HS Creator Edition		18,610	NA
AMD Ryzen 7 5800U		18,500	NA









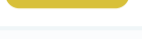
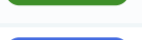


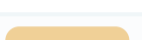












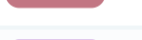
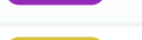
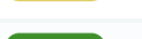














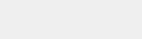
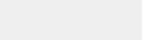
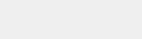
AMD Ryzen 5 7535HS		18,184	NA
AMD Ryzen 5 PRO 7540U		17,868	NA

CPU Benchmarks

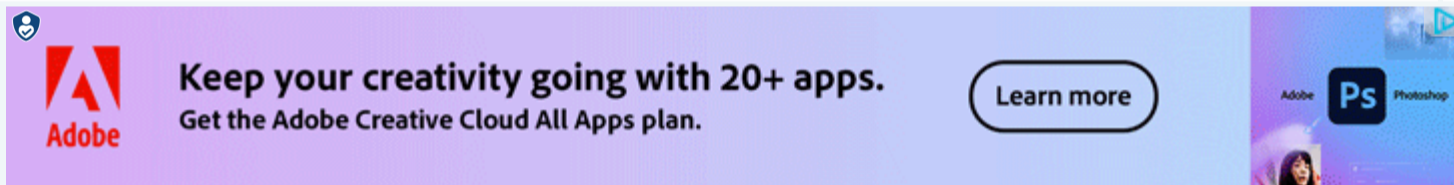
Intel Core i5-12450H		17,474	\$311.00*
AMD Ryzen 7 4980U Microsoft Surface Edition		17,469	NA
Intel Core i5-1240P		17,313	NA
AMD Ryzen 5 7535U		17,286	NA
Intel Core i7-1260P		17,205	NA
AMD Ryzen 7 PRO 5850U		17,169	NA
AMD Ryzen 5 6600U		17,139	NA
Apple M1 Pro 8 Core 3200 MHz		17,133	NA
AMD Ryzen 5 5600H		17,096	NA
Intel Core i5-1335U		16,822	\$340.00*
AMD Ryzen 5 PRO 6650U		16,752	NA
AMD Ryzen 5 7530U		16,514	NA
Intel Core i7-10700E @ 2.90GHz		16,418	\$330.00*
Intel Core i7-10700TE @ 2.00GHz		16,332	\$330.00*
AMD Ryzen 7 PRO 5875U		16,282	NA
Intel Core i5-11500H @ 2.90GHz		16,211	\$250.00*
Intel Core i7-11600H @ 2.90GHz		16,162	\$395.00*
AMD Ryzen 7 4850U Mobile		15,920	NA
AMD Ryzen 7 5700U		15,865	NA
Intel Core i5-11400H @ 2.70GHz		15,820	\$250.00*
Intel Core i5-11260H @ 2.60GHz		15,814	\$250.00*
Intel Core i7-12700TE		15,616	\$344.00*
AMD Ryzen 5 5600U		15,500	NA
Intel Core i7-1365U		15,477	\$426.00*
Intel Core i5-1345U		15,410	\$309.00*
Apple M2 8 Core 3500 MHz		15,397	NA
Intel Core i7-1355U		15,338	\$469.00*
AMD Ryzen 5 PRO 7530U		15,333	NA
AMD Ryzen 5 5625U		15,089	NA
AMD Ryzen 5 5560U		15,052	NA
AMD Ryzen 5 PRO 5650U		14,940	NA
AMD Ryzen 5 PRO 5675U		14,526	NA
Intel Core i5-12500TE		14,501	\$205.00*
Intel Core i3-1220P		14,415	\$281.00*
Intel Core i5-1240U		14,323	NA
Apple M1 8 Core 3200 MHz		14,190	NA
Intel Core i7-1265U		14,037	\$426.00*
Intel Core i7-1255U		13,757	\$426.00*
Intel Core i7-1260U		13,707	NA
Intel Core i5-1334U		13,669	\$340.00*
Intel Core i5-1235U		13,559	\$309.00*
Intel Core i5-1245U		13,466	\$309.00*
AMD Ryzen 5 5500U		13,136	NA
Intel Core i3-12100TE		12,961	\$125.00*
Intel Core i3-1315U		12,850	\$200.00*

Intel Core i7-11375H @ 3.30GHz		11,975	\$482.00*
Snandragon 8cx Gen 3 @ 3.0 GHz		11,805	NA

CPU Benchmarks ▼

Microsoft SQ3 @ 3.0 GHz		11,742	NA
AMD Ryzen 3 5400U		11,524	NA
AMD Ryzen 3 5425U		11,464	NA
Intel Core i5-10500H @ 2.50GHz		11,288	\$250.00*
AMD Ryzen 3 PRO 5475U		11,272	NA
AMD Ryzen 5 5500H		11,263	NA
AMD Ryzen 3 7330U		11,260	NA
AMD Ryzen 3 PRO 5450U		11,075	NA
Intel Core i3-1215U		11,023	NA
Intel Core i7-1195G7 @ 2.90GHz		11,016	\$426.00*
Intel Core i5-11300H @ 3.10GHz		10,987	\$309.00*
Intel Core i5-11320H @ 3.20GHz		10,971	\$309.00*
Intel Core i5-1230U		10,796	\$309.00*
Intel Core i3-1210U		10,641	NA
Intel Core i7-1185G7E @ 2.80GHz		10,444	\$431.00*
Intel Core i7-11390H @ 3.40GHz		10,316	\$426.00*
Intel Core i5-1155G7 @ 2.50GHz		10,284	\$309.00*
Intel Core i3-N305		10,049	\$309.00*
Intel Core i5-1145G7 @ 2.60GHz		9,962	NA
Intel Core i3-1125G4 @ 2.00GHz		9,734	NA
AMD Ryzen 3 5300U		9,711	NA
Intel U300		9,511	\$193.00*
Intel Core i3-1305U		9,491	\$309.00*
AMD Ryzen 5 7520U		9,489	NA
Intel Pentium Gold 8505		9,231	NA
Intel Core i7-1160G7 @ 1.20GHz		9,214	\$426.00*
Intel Core i7-1265UE		9,195	\$472.00*
AMD Ryzen 3 7320U		9,075	NA
AMD Ryzen 3 7320C		8,686	NA
Intel Core i5-1130G7 @ 1.10GHz		8,641	\$309.00*
Intel Core i3-N300		8,475	\$309.00*
Intel Core i5-10500TE @ 2.30GHz		8,449	\$195.00*
Intel Core i7-1180G7 @ 1.30GHz		8,270	\$426.00*
AMD Athlon Gold PRO 4150GE		8,259	NA
Intel Core i5-8269U @ 2.60GHz		8,055	\$320.00*
AMD Ryzen 7 3700C		7,145	NA
Snapdragon 8cx Gen 2 @ 3.0 GHz		6,770	NA
Snapdragon 8cx Gen 2 @ 3.15 GHz		6,581	NA
Microsoft SQ2 @ 3.15 GHz		5,936	NA
AMD Ryzen 3 3350U		5,853	NA
Intel Core i5-7440EQ @ 2.90GHz		5,711	\$250.00*
AMD Ryzen 5 3500C		5,564	NA
Intel N95		5,419	NA
Intel Pentium Silver N6005 @ 2.00GHz		5,379	NA
Snapdragon 8c @ 2.46 GHz		5,333	NA

☰	Snapdragon 8cx @ 2.84 GHz		4,735	NA
☰	Intel Core i7-6970HQ @ 2.80GHz		4,632	NA
🏠	CPU Benchmarks ▼			
☰	Intel Pentium 6805 @ 1.10GHz		4,424	\$161.00*
☰	Intel Core i5-6350HQ @ 2.30GHz		4,255	\$306.00*
☰	Intel Core i3-8140U @ 2.10GHz		4,227	NA
☰	AMD Athlon PRO 300U		4,080	NA
☰	Snapdragon 7c Gen 2 @ 2.55 GHz		3,818	NA
☰	Snapdragon 7c @ 1.96 GHz		3,712	NA
☰	Intel Pentium Silver N5020 @ 1.10GHz		3,404	NA
☰	Snapdragon 850 @ 2.96 GHz		3,326	NA
☰	Snapdragon 7c @ 2.40 GHz		3,315	NA
☰	Intel Celeron N5100 @ 1.10GHz		3,308	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		3,013	NA
☰	AMD Athlon Silver 3050C		2,879	NA
☰	AMD Athlon PRO 3045B		2,618	NA
☰	Intel Celeron 7305		2,385	\$107.00*
☰	Snapdragon 835		2,211	NA
☰	Intel Celeron 6305 @ 1.80GHz		2,095	NA
☰	Intel Celeron N4020C @ 1.10GHz		1,572	NA
☰	AMD Turion X2 Dual-Core Mobile RM-76		799	NA
☰	Intel Pentium Dual T2390 @ 1.86GHz		745	NA



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