

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 on 6th of October 2023	
CPU	Price (USD)
AMD Ryzen 9 7945HX	N/A
Intel Core i9-13980HX	\$668.00*
AMD Ryzen 9 7845HX	N/A
Intel Core i9-13950HX	\$590.00*
Intel Core i9-13900HX	\$668.00*
Intel Core i7-13850HX	\$428.00*
Intel Core i9-12900HX	\$698.00*
Intel Core i7-13700HX	\$485.00*
Intel Core i9-12950HX	\$595.00*
Intel Core i7-12800HX	\$467.00*
AMD Ryzen 7 7745HX	N/A
Intel Core i9-13900HX	\$697.00*
Intel Core i7-13650HX	\$485.00*
Intel Core i9-13900H	\$697.00*
AMD Ryzen 9 7940H	N/A
AMD Ryzen 9 7940HS	N/A
Intel Core i7-12850HX	\$428.00*
Intel Core i5-13600HX	\$284.00*
Intel Core i9-13900H	\$617.00*
AMD Ryzen 7 7840HS	N/A
Intel Core i9-12900H	\$617.00*
AMD Ryzen 7 7840H	N/A
Intel Core i7-13700H	\$502.00*
Intel Core i5-13500HX	\$326.00*
Intel Core i9-13900H	\$617.00*
AMD Ryzen 9 PRO 7940HS	N/A
Intel Core i7-12800H	\$467.00*
AMD Ryzen 7 7840S	N/A
Intel Core i7-12800H	\$562.00*
Intel Core i7-13700TE	\$380.00*
Intel Core i5-13450HX	\$326.00*
Intel Core i7-12700H	\$467.00*
Apple M2 Pro 12 Core 3680 MHz	N/A
Apple M2 Max 12 Core 3680 MHz	N/A
AMD Ryzen 7 PRO 7840U	N/A
Intel Core i5-13000H	\$311.00*
AMD Ryzen 7 7840U	N/A
AMD Ryzen 7 PRO 7840HS	N/A
AMD Ryzen 9 6900HX	N/A
Intel Core i7-12800H	\$467.00*
AMD Ryzen 7 7730H	N/A
AMD Ryzen 7 7730HS	N/A
AMD Ryzen 8 7840HS	N/A
AMD Ryzen 9 6900HS	N/A
Intel Core i5-12600HX	\$284.00*
Intel Core i7-13700H	\$502.00*
AMD Ryzen 7 6800H	N/A
AMD Ryzen 8 5800HX	N/A
Intel Core i7-12650H	\$467.00*
AMD Ryzen 9 PRO 6900HS	N/A
AMD Ryzen 7 7730U	N/A
Intel Core i9-11980HK (R) 2.60GHz	\$583.00*
Intel Core i5-12600H	\$311.00*
Intel Xeon W-11955M (R) 2.60GHz	\$623.00*
AMD Ryzen 7 6800HS	N/A
AMD Ryzen 7 PRO 6800H	N/A
AMD Ryzen 9 5900HX	N/A
Intel Core i5-13000H	N/A
AMD Ryzen 7 6800HS Creator Edition	N/A
AMD Ryzen 9 PRO 6900H	N/A
AMD Ryzen 9 6900HS Creator Edition	N/A
Apple M1 Max 10 Core 3200 MHz	N/A
AMD Ryzen 9 PRO 6900HS	N/A
Intel Core i7-12700	N/A
AMD Ryzen 9 5900HS	N/A
Apple M1 Pro 10 Core 3200 MHz	N/A
AMD Ryzen 5 7540U	N/A
Intel Core i5-12500H	\$311.00*
Apple M2 Pro 10 Core 3680 MHz	N/A
Intel Core i9-11950H (R) 2.60GHz	\$666.00*
Intel Core i5-1350P	\$320.00*
AMD Ryzen 9 5800HS	N/A
AMD Ryzen 7 7730U	N/A
AMD Ryzen 7 5800H	N/A
AMD Ryzen 7 5800HS Creator Edition	N/A
Intel Core i9-11900H (R) 2.50GHz	\$546.00*
AMD Ryzen 9 5900H	N/A
AMD Ryzen 7 PRO 6800U	N/A
AMD Ryzen 7 PRO 6800Z	N/A
Intel Core i7-11850H (R) 2.50GHz	\$385.00*
Intel Core i7-11800H (R) 2.30GHz	\$385.00*
Intel Core i5-1340P	\$383.00*
Intel Core i5-1250P	N/A
AMD Ryzen 7 6800U	N/A
AMD Ryzen 7 PRO 7730U	N/A
AMD Ryzen 7 5800HS	N/A
Intel Core i7-1280P	\$487.00*
AMD Ryzen 9 PRO 6900H	N/A
Intel Core i7-1380P	\$480.00*
AMD Ryzen 5 7540U	N/A
AMD Ryzen 6 6800H	N/A
Intel Core i5-13420H	\$392.00*
AMD Ryzen 7 7730U	N/A
AMD Ryzen 5 6800HS Creator Edition	N/A
AMD Ryzen 5 5900U	N/A
AMD Ryzen 5 7330HS	N/A
AMD Ryzen 7 5620U	N/A
Intel Xeon W-11865M (R) 3.20GHz	\$680.00*
Intel Core i5-12450H	\$311.00*
AMD Ryzen 5 PRO 7540U	N/A
Intel Core i6-3335U	\$360.00*
Intel Core i7-12700	N/A
AMD Ryzen 5 7330U	N/A
AMD Ryzen 7 4980U Microsoft Surface Edition	N/A
Intel Core i5-1240P	N/A
AMD Ryzen 7 PRO 5800U	N/A
Intel Core i7-1200P	N/A
AMD Ryzen 5 6900U	N/A
Apple M1 Pro 8 Core 3200 MHz	N/A
AMD Ryzen 5 5600H	N/A