

# 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 19th of June 2024

CPU	CPU Mark	Price (USD)
<a href="#">AMD Ryzen 9 7945HX3D</a>	<a href="#">57,796</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 7945HX</a>	<a href="#">54,916</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 7940HX</a>	<a href="#">53,480</a>	<a href="#">NA</a>
<a href="#">Intel Core i9-13980HX</a>	<a href="#">47,321</a>	<a href="#">\$668.00*</a>
<a href="#">Intel Core i9-14900HX</a>	<a href="#">46,905</a>	<a href="#">\$679.00*</a>
<a href="#">AMD Ryzen 9 7845HX</a>	<a href="#">45,757</a>	<a href="#">NA</a>
<a href="#">Intel Core i9-13900HX</a>	<a href="#">44,595</a>	<a href="#">\$668.00*</a>
<a href="#">Intel Core i9-13950HX</a>	<a href="#">44,095</a>	<a href="#">\$590.00*</a>

<a href="#">Intel Core i7-13850HX</a>	<a href="#">38,079</a>	<a href="#">\$428.00*</a>
<a href="#">Intel Core i7-14700HX</a>	<a href="#">37,698</a>	<a href="#">\$495.00*</a>
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<a href="#">Intel Core i9-12900HX</a>	<a href="#">34,268</a>	<a href="#">\$606.00*</a>
<a href="#">Intel Core i7-13700HX</a>	<a href="#">33,990</a>	<a href="#">\$485.00*</a>
<a href="#">AMD Ryzen 7 7745HX</a>	<a href="#">32,812</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-12800HX</a>	<a href="#">32,639</a>	<a href="#">\$457.00*</a>
<a href="#">AMD Ryzen 9 8945H</a>	<a href="#">31,708</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-13650HX</a>	<a href="#">31,703</a>	<a href="#">\$485.00*</a>
<a href="#">Intel Core i9-13900HK</a>	<a href="#">31,690</a>	<a href="#">\$697.00*</a>
<a href="#">Intel Core i7-12850HX</a>	<a href="#">30,850</a>	<a href="#">\$428.00*</a>
<a href="#">AMD Ryzen 7 PRO 8845HS</a>	<a href="#">30,734</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 7940HS</a>	<a href="#">30,484</a>	<a href="#">NA</a>
<a href="#">Intel Core i9-13905H</a>	<a href="#">30,252</a>	<a href="#">\$697.00*</a>
<a href="#">Intel Core i5-13500HX</a>	<a href="#">29,598</a>	<a href="#">\$326.00*</a>
<a href="#">AMD Ryzen 9 8945HS</a>	<a href="#">29,112</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 8845H</a>	<a href="#">29,091</a>	<a href="#">NA</a>
<a href="#">Intel Core i9-13900H</a>	<a href="#">29,077</a>	<a href="#">\$617.00*</a>
<a href="#">AMD Ryzen 7 7840HS</a>	<a href="#">29,001</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-13600HX</a>	<a href="#">28,921</a>	<a href="#">\$284.00*</a>
<a href="#">AMD Ryzen 7 8845HS</a>	<a href="#">28,911</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 7940H</a>	<a href="#">28,608</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 9 185H</a>	<a href="#">28,567</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7840H</a>	<a href="#">28,469</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-14500HX</a>	<a href="#">28,177</a>	<a href="#">\$337.00*</a>
<a href="#">AMD Ryzen 9 PRO 7940HS</a>	<a href="#">28,170</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 8840HS</a>	<a href="#">27,607</a>	<a href="#">NA</a>
<a href="#">Snapdragon X Elite - X1E-78-100 - Qualcomm</a>	<a href="#">27,420</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-13700H</a>	<a href="#">27,406</a>	<a href="#">\$502.00*</a>
<a href="#">Apple M3 Pro 12 Core</a>	<a href="#">27,390</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-13800H</a>	<a href="#">27,079</a>	<a href="#">\$457.00*</a>
<a href="#">AMD Ryzen 5 7645HX</a>	<a href="#">26,868</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 7840HS</a>	<a href="#">26,515</a>	<a href="#">NA</a>
<a href="#">Apple M2 Max 12 Core 3680 MHz</a>	<a href="#">26,438</a>	<a href="#">NA</a>
<a href="#">Apple M2 Pro 12 Core 3480 MHz</a>	<a href="#">26,401</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 7 165H</a>	<a href="#">26,174</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-13450HX</a>	<a href="#">25,520</a>	<a href="#">\$326.00*</a>
<a href="#">Intel Core i7-13620H</a>	<a href="#">25,482</a>	<a href="#">\$502.00*</a>
<a href="#">AMD Ryzen 7 7435HS</a>	<a href="#">25,463</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 8840HS</a>	<a href="#">25,148</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 7 155H</a>	<a href="#">25,011</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7840U</a>	<a href="#">24,986</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 7840U</a>	<a href="#">24,884</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7840S</a>	<a href="#">24,635</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 8840U</a>	<a href="#">24,588</a>	<a href="#">NA</a>
<a href="#">Apple M3 Pro 11 Core</a>	<a href="#">24,531</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 8840U</a>	<a href="#">24,526</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-13450HX</a>	<a href="#">24,500</a>	<a href="#">\$284.00*</a>

<a href="#">AMD Ryzen 7 7735HS</a>	<a href="#">24,158</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 135H</a>	<a href="#">24,100</a>	<a href="#">NA</a>
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<a href="#">Intel Core i7-13700TE</a>	<a href="#">23,074</a>	<a href="#">\$390.00*</a>
<a href="#">Intel Core i5-13500H</a>	<a href="#">22,953</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 6850H</a>	<a href="#">22,908</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 PRO 7640HS</a>	<a href="#">22,778</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 7640HS</a>	<a href="#">22,727</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 PRO 6950HS</a>	<a href="#">22,697</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 PRO 6950H</a>	<a href="#">22,447</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 8645HS</a>	<a href="#">22,424</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 125H</a>	<a href="#">22,361</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7736U</a>	<a href="#">22,195</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 PRO 8640HS</a>	<a href="#">22,041</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 6800HS Creator Edition</a>	<a href="#">21,940</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 9 6900HS Creator Edition</a>	<a href="#">21,879</a>	<a href="#">NA</a>
<a href="#">Apple M2 Pro 10 Core 3480 MHz</a>	<a href="#">21,655</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 7640U</a>	<a href="#">21,622</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 Pro 7735U</a>	<a href="#">21,474</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7735U</a>	<a href="#">21,341</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 8640HS</a>	<a href="#">21,265</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 6860Z</a>	<a href="#">20,863</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 6800U</a>	<a href="#">20,640</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-1370P</a>	<a href="#">20,241</a>	<a href="#">NA</a>
<a href="#">Apple M3 8 Core</a>	<a href="#">19,626</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-1360P</a>	<a href="#">19,397</a>	<a href="#">\$480.00*</a>
<a href="#">AMD Ryzen 5 8540U</a>	<a href="#">19,316</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 8640U</a>	<a href="#">19,266</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 7540U</a>	<a href="#">19,213</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 PRO 7730U</a>	<a href="#">19,213</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-1350P</a>	<a href="#">19,176</a>	<a href="#">\$320.00*</a>
<a href="#">AMD Ryzen 5 PRO 6650H</a>	<a href="#">19,094</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 6600H</a>	<a href="#">18,914</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-1340P</a>	<a href="#">18,866</a>	<a href="#">\$353.00*</a>
<a href="#">Intel Core i5-13420H</a>	<a href="#">18,806</a>	<a href="#">\$342.00*</a>
<a href="#">Intel Core i5-12450HX</a>	<a href="#">18,657</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 7730U</a>	<a href="#">18,645</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 7535HS</a>	<a href="#">18,399</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 6600HS Creator Edition</a>	<a href="#">18,379</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 PRO 7540U</a>	<a href="#">18,249</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 135U</a>	<a href="#">18,029</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 125U</a>	<a href="#">17,882</a>	<a href="#">\$363.00*</a>
<a href="#">Intel Core Ultra 7 165U</a>	<a href="#">17,743</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 7 4980U Microsoft Surface Edition</a>	<a href="#">17,469</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-12700TE</a>	<a href="#">16,833</a>	<a href="#">\$344.00*</a>
<a href="#">AMD Ryzen 5 6600U</a>	<a href="#">16,792</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 Pro 7535U</a>	<a href="#">16,766</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 125U</a>	<a href="#">16,661</a>	<a href="#">\$490.00*</a>

<a href="#">Intel Core i5-1335U</a>	<a href="#">16,008</a>	<a href="#">\$340.00*</a>
<a href="#">Apple M2 8 Core 3500 MHz</a>	<a href="#">15,507</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 PRO 7530U</a>	<a href="#">15,071</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-1355U</a>	<a href="#">15,063</a>	<a href="#">\$469.00*</a>
<a href="#">Intel Core i7-1365U</a>	<a href="#">15,013</a>	<a href="#">\$426.00*</a>
<a href="#">AMD Ryzen 5 7430U</a>	<a href="#">14,981</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 7 164U</a>	<a href="#">14,811</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-12500TE</a>	<a href="#">14,536</a>	<a href="#">\$205.00*</a>
<a href="#">Intel Core i7-1260U</a>	<a href="#">14,266</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-1334U</a>	<a href="#">14,139</a>	<a href="#">\$340.00*</a>
<a href="#">Intel Core 7 150U</a>	<a href="#">13,990</a>	<a href="#">NA</a>
<a href="#">Intel Core i5-1240U</a>	<a href="#">13,745</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 3 7335U</a>	<a href="#">13,003</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 3 PRO 7330U</a>	<a href="#">12,731</a>	<a href="#">NA</a>
<a href="#">Intel Core Ultra 5 134U</a>	<a href="#">12,606</a>	<a href="#">\$332.00*</a>
<a href="#">Intel Core i3-1315U</a>	<a href="#">12,452</a>	<a href="#">\$309.00*</a>
<a href="#">AMD Ryzen 3 PRO 7335U</a>	<a href="#">12,333</a>	<a href="#">NA</a>
<a href="#">Intel Core i3-12100TE</a>	<a href="#">12,314</a>	<a href="#">\$125.00*</a>
<a href="#">Intel Core i7-1250U</a>	<a href="#">12,027</a>	<a href="#">\$426.00*</a>
<a href="#">Intel Core 3 100U</a>	<a href="#">11,885</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 5 5500H</a>	<a href="#">11,671</a>	<a href="#">NA</a>
<a href="#">Microsoft SQ3 @ 3.0 GHz</a>	<a href="#">11,657</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 3 7330U</a>	<a href="#">10,868</a>	<a href="#">NA</a>
<a href="#">Intel Core i3-N305</a>	<a href="#">10,110</a>	<a href="#">\$309.00*</a>
<a href="#">Intel Core i7-1265UE</a>	<a href="#">9,471</a>	<a href="#">\$472.00*</a>
<a href="#">Intel U300</a>	<a href="#">9,309</a>	<a href="#">\$193.00*</a>
<a href="#">AMD Ryzen 5 7520U</a>	<a href="#">9,302</a>	<a href="#">NA</a>
<a href="#">Intel Core i3-1305U</a>	<a href="#">9,062</a>	<a href="#">\$309.00*</a>
<a href="#">AMD Ryzen 3 7320U</a>	<a href="#">9,001</a>	<a href="#">NA</a>
<a href="#">AMD Ryzen 3 7320C</a>	<a href="#">8,614</a>	<a href="#">NA</a>
<a href="#">AMD Athlon Gold PRO 4150GE</a>	<a href="#">8,259</a>	<a href="#">NA</a>
<a href="#">Intel Core i3-N300</a>	<a href="#">7,604</a>	<a href="#">\$309.00*</a>
<a href="#">AMD Ryzen 5 Microsoft Surface Edition</a>	<a href="#">7,243</a>	<a href="#">NA</a>
<a href="#">Snapdragon 8cx Gen 2 @ 3.0 GHz</a>	<a href="#">6,770</a>	<a href="#">NA</a>
<a href="#">Intel N95</a>	<a href="#">5,383</a>	<a href="#">NA</a>
<a href="#">Snapdragon 8c @ 2.46 GHz</a>	<a href="#">5,230</a>	<a href="#">NA</a>
<a href="#">AMD Athlon Gold 7220U</a>	<a href="#">4,725</a>	<a href="#">NA</a>
<a href="#">Intel Core i7-6970HQ @ 2.80GHz</a>	<a href="#">4,632</a>	<a href="#">NA</a>
<a href="#">AMD Athlon PRO 300U</a>	<a href="#">4,080</a>	<a href="#">NA</a>
<a href="#">Snapdragon 7c @ 1.96 GHz</a>	<a href="#">3,712</a>	<a href="#">NA</a>
<a href="#">AMD Athlon Gold 3150C</a>	<a href="#">3,292</a>	<a href="#">NA</a>
<a href="#">Intel Core i3-6167U @ 2.70GHz</a>	<a href="#">3,255</a>	<a href="#">NA</a>
<a href="#">AMD Athlon Silver 7120U</a>	<a href="#">3,150</a>	<a href="#">NA</a>
<a href="#">ARM Cortex-A78 4 Core 2000 MHz</a>	<a href="#">3,016</a>	<a href="#">NA</a>
<a href="#">AMD Athlon Silver 3050C</a>	<a href="#">2,879</a>	<a href="#">NA</a>
<a href="#">AMD Athlon PRO 3045B</a>	<a href="#">2,618</a>	<a href="#">NA</a>
<a href="#">Intel Celeron N4000 @ 1.10GHz</a>	<a href="#">1,500</a>	<a href="#">NA</a>

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