

# 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 36 months. Older laptop CPUs may not appear.

 <b>CPUS</b>		CPU Mark	Price Performance	Sorted by Date
<h3>PassMark - CPU Mark</h3> <p>Laptop &amp; Portable CPU Performance Updated 5th of July 2022</p>				
 High End High Mid Range Low Mid Range Low End	<b>CPU</b>	<b>CPU Mark</b>	<b>Price (USD)</b>	
	<a href="#">Intel Core i9-12950HX</a>	<a href="#">39,136</a>	<a href="#">\$590.00*</a>	
	<a href="#">Intel Core i7-12800HX</a>	<a href="#">37,866</a>	<a href="#">\$457.00*</a>	
	<a href="#">Intel Core i9-12900HX</a>	<a href="#">31,048</a>	<a href="#">\$606.00*</a>	
	<a href="#">Intel Core i7-12850HX</a>	<a href="#">30,580</a>	<a href="#">\$428.00*</a>	
	<a href="#">Intel Core i9-12900H</a>	<a href="#">29,358</a>	<a href="#">\$617.00*</a>	
	<a href="#">Intel Core i9-12900HK</a>	<a href="#">28,496</a>	<a href="#">\$635.00*</a>	
	<a href="#">Intel Core i7-12700H</a>	<a href="#">27,441</a>	<a href="#">\$457.00*</a>	
	<a href="#">AMD Ryzen 9 6900HX</a>	<a href="#">24,886</a>	<a href="#">NA</a>	
	<a href="#">Intel Core i5-12600HX</a>	<a href="#">24,689</a>	<a href="#">\$284.00*</a>	
	<a href="#">Intel Core i7-12650H</a>	<a href="#">24,631</a>	<a href="#">\$457.00*</a>	
	<a href="#">AMD Ryzen 9 6900HS</a>	<a href="#">24,459</a>	<a href="#">NA</a>	
	<a href="#">AMD Ryzen 7 6800HS</a>	<a href="#">24,101</a>	<a href="#">NA</a>	
	<a href="#">AMD Ryzen 7 PRO 6850U</a>	<a href="#">23,955</a>	<a href="#">NA</a>	
	<a href="#">Intel Core i9-11980HK @ 2.60GHz</a>	<a href="#">23,697</a>	<a href="#">\$583.00*</a>	
	<a href="#">Intel Core i7-12800H</a>	<a href="#">23,558</a>	<a href="#">\$457.00*</a>	
	<a href="#">Intel Xeon W-11955M @ 2.60GHz</a>	<a href="#">23,420</a>	<a href="#">\$623.00*</a>	
	<a href="#">AMD Ryzen 9 PRO 6950HS</a>	<a href="#">23,392</a>	<a href="#">NA</a>	
	<a href="#">AMD Ryzen 7 6800H</a>	<a href="#">23,377</a>	<a href="#">NA</a>	
	<a href="#">AMD Ryzen 9 5980HX</a>	<a href="#">23,262</a>	<a href="#">NA</a>	
	<a href="#">AMD Ryzen 9 5900HX</a>	<a href="#">23,099</a>	<a href="#">NA</a>	

Search Model		22,765	
CPU Benchmarks Compare	Intel Core i9-11950H @ 2.60GHz	22,446	\$556.00*
	Apple M1 Max 10 Core 3200 MHz	22,397	NA
★ Common	Apple M1 Pro 10 Core 3200 MHz	22,183	NA
	AMD Ryzen 9 5900HS	22,176	NA
Most Benchmarked	Intel Core i5-1250P	22,148	NA
	AMD Ryzen 9 5980HS	21,491	NA
AMD vs Intel Market Share	AMD Ryzen 7 5800H	21,396	NA
	Intel Core i7-11800H @ 2.30GHz	21,239	\$395.00*
Year on Year Performance	Intel Core i7-11850H @ 2.50GHz	21,205	\$395.00*
	Intel Core i9-11900H @ 2.50GHz	21,182	\$546.00*
	Intel Core i5-12600H	21,000	\$311.00*
	AMD Ryzen 9 5900H	20,960	NA
	AMD Ryzen 7 5800HS Creator Edition	20,948	NA
	AMD Ryzen 7 5800HS	20,722	NA
	AMD Ryzen 9 4900HS	19,373	NA
	AMD Ryzen 9 4900H	19,343	NA
	Intel Core i7-1270P	19,283	NA
	AMD Ryzen 7 PRO 6850HS	19,069	NA
	AMD Ryzen 7 4800H	19,002	NA
	AMD Ryzen 7 5800U	18,939	NA
	Intel Core i7-1280P	18,902	\$482.00*
	AMD Ryzen 7 4800HS	18,840	NA
	Intel Core i5-12450H	18,838	\$311.00*
	Intel Xeon W-11855M @ 3.20GHz	18,810	\$450.00*
	AMD Ryzen 7 PRO 5875U	18,514	NA
	AMD Ryzen 5 PRO 6650U	18,482	NA
	AMD Ryzen 7 5825U	18,383	NA
	Intel Core i5-1240P	18,376	NA
	Intel Core i3-1220P	18,329	\$281.00*
	AMD Ryzen 7 Extreme Edition	18,209	NA
	AMD Ryzen 7 PRO 5850U	17,473	NA
	Apple M1 Pro 8 Core 3200 MHz	17,373	NA
	AMD Ryzen 5 5600H	17,194	NA
	AMD Ryzen 7 4800U	17,021	NA
	AMD Ryzen 5 5560U	16,944	NA
	Intel Core i7-1260P	16,569	NA
	Intel Core i7-10700TE @ 2.00GHz	16,332	\$330.00*
	Intel Core i7-10700E @ 2.90GHz	16,257	\$330.00*
	Intel Core i5-11500H @ 2.90GHz	16,233	\$250.00*
	Intel Core i9-10980HK @ 2.40GHz	16,140	\$583.00*
	Intel Xeon W-10885M @ 2.40GHz	16,068	\$623.00*
	AMD Ryzen 7 5700U	16,026	NA
	Intel Core i5-11400H @ 2.70GHz	16,023	\$250.00*
	AMD Ryzen 7 4850U Mobile	15,920	NA
	Intel Core i7-11600H @ 2.90GHz	15,907	\$395.00*
	Intel Core i9-10885H @ 2.40GHz	15,640	\$556.00*
	AMD Ryzen 7 PRO 4750U	15,470	NA
	Intel Core i7-10875H @ 2.30GHz	15,407	\$450.00*


CPU Benchmarks	Video	Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
						<a href="#">15,245</a>	<a href="#">NA</a>
						<a href="#">15,160</a>	<a href="#">\$309.00*</a>
						<a href="#">15,074</a>	<a href="#">\$250.00*</a>
						<a href="#">14,978</a>	<a href="#">\$417.00*</a>
						<a href="#">14,795</a>	<a href="#">NA</a>
						<a href="#">14,735</a>	<a href="#">NA</a>
						<a href="#">14,735</a>	<a href="#">NA</a>
						<a href="#">14,713</a>	<a href="#">NA</a>
						<a href="#">14,670</a>	<a href="#">NA</a>
						<a href="#">14,597</a>	<a href="#">NA</a>
						<a href="#">13,618</a>	<a href="#">NA</a>
						<a href="#">13,438</a>	<a href="#">NA</a>
						<a href="#">13,347</a>	<a href="#">NA</a>
						<a href="#">13,251</a>	<a href="#">\$426.00*</a>
						<a href="#">13,186</a>	<a href="#">NA</a>
						<a href="#">13,126</a>	<a href="#">\$426.00*</a>
						<a href="#">12,921</a>	<a href="#">\$450.00*</a>
						<a href="#">12,843</a>	<a href="#">NA</a>
						<a href="#">12,756</a>	<a href="#">NA</a>
						<a href="#">12,308</a>	<a href="#">NA</a>
						<a href="#">12,266</a>	<a href="#">NA</a>
						<a href="#">12,258</a>	<a href="#">\$482.00*</a>
						<a href="#">12,130</a>	<a href="#">NA</a>
						<a href="#">12,125</a>	<a href="#">\$395.00*</a>
						<a href="#">12,049</a>	<a href="#">NA</a>
						<a href="#">12,012</a>	<a href="#">\$426.00*</a>
						<a href="#">11,871</a>	<a href="#">NA</a>
						<a href="#">11,606</a>	<a href="#">\$250.00*</a>
						<a href="#">11,286</a>	<a href="#">NA</a>
						<a href="#">11,255</a>	<a href="#">\$395.00*</a>
						<a href="#">11,114</a>	<a href="#">\$431.00*</a>
						<a href="#">11,088</a>	<a href="#">NA</a>
						<a href="#">11,025</a>	<a href="#">\$309.00*</a>
						<a href="#">10,930</a>	<a href="#">NA</a>
						<a href="#">10,876</a>	<a href="#">\$426.00*</a>
						<a href="#">10,826</a>	<a href="#">\$323.00*</a>
						<a href="#">10,819</a>	<a href="#">\$426.00*</a>
						<a href="#">10,652</a>	<a href="#">\$309.00*</a>
						<a href="#">10,576</a>	<a href="#">\$426.00*</a>
						<a href="#">10,525</a>	<a href="#">\$426.00*</a>
						<a href="#">10,330</a>	<a href="#">NA</a>
						<a href="#">10,258</a>	<a href="#">\$309.00*</a>
						<a href="#">10,203</a>	<a href="#">NA</a>
						<a href="#">10,158</a>	<a href="#">NA</a>
						<a href="#">10,091</a>	<a href="#">\$309.00*</a>
						<a href="#">10,075</a>	<a href="#">\$426.00*</a>
						<a href="#">10,029</a>	<a href="#">\$644.99*</a>
						<a href="#">10,024</a>	<a href="#">NA</a>
						<a href="#">9,960</a>	<a href="#">\$195.00*</a>

CPU Benchmarks	Video	Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS/iPhone
		<a href="#">Intel Core i5-1230U</a>				<a href="#">9,896</a>	<a href="#">\$309.00*</a>
		<a href="#">Intel Core i5-1038NG7 @ 2.00GHz</a>				<a href="#">9,643</a>	<a href="#">\$320.00*</a>
		<a href="#">Intel Core i7-1160G7 @ 1.20GHz</a>				<a href="#">9,531</a>	<a href="#">\$426.00*</a>
		<a href="#">Intel Core i5-9500TE @ 2.20GHz</a>				<a href="#">9,212</a>	<a href="#">\$192.00*</a>
		<a href="#">Intel Core i5-1130G7 @ 1.10GHz</a>				<a href="#">9,132</a>	<a href="#">\$309.00*</a>
		<a href="#">Intel Core i7-9850HL @ 1.90GHz</a>				<a href="#">9,112</a>	<a href="#">\$395.00*</a>
		<a href="#">Intel Core i7-1180G7 @ 1.30GHz</a>				<a href="#">9,066</a>	<a href="#">\$426.00*</a>
		<a href="#">Intel Core i5-10400H @ 2.60GHz</a>				<a href="#">8,913</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Core i5-10300H @ 2.50GHz</a>				<a href="#">8,654</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Core i7-8569U @ 2.80GHz</a>				<a href="#">8,636</a>	<a href="#">\$431.00*</a>
		<a href="#">Intel Core i5-1035G7 @ 1.20GHz</a>				<a href="#">8,475</a>	<a href="#">\$320.00*</a>
		<a href="#">Intel Core i5-10200H @ 2.40GHz</a>				<a href="#">8,391</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Core i5-9400H @ 2.50GHz</a>				<a href="#">8,293</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Core i7-8557U @ 1.70GHz</a>				<a href="#">8,225</a>	<a href="#">\$431.00*</a>
		<a href="#">Intel Core i5-1035G4 @ 1.10GHz</a>				<a href="#">8,208</a>	<a href="#">\$309.00*</a>
		<a href="#">Intel Core i5-8269U @ 2.60GHz</a>				<a href="#">8,055</a>	<a href="#">\$320.00*</a>
		<a href="#">Intel Core i7-10810U @ 1.10GHz</a>				<a href="#">8,012</a>	<a href="#">\$443.00*</a>
		<a href="#">Intel Core i5-8260U @ 1.60GHz</a>				<a href="#">7,854</a>	<a href="#">\$439.99*</a>
		<a href="#">Intel Core i5-8279U @ 2.40GHz</a>				<a href="#">7,822</a>	<a href="#">\$320.00*</a>
		<a href="#">Intel Core i5-8257U @ 1.40GHz</a>				<a href="#">7,678</a>	<a href="#">\$320.00*</a>
		<a href="#">AMD Ryzen 7 3780U</a>				<a href="#">7,651</a>	<a href="#">NA</a>
		<a href="#">Intel Core i5-1035G1 @ 1.00GHz</a>				<a href="#">7,643</a>	<a href="#">\$297.00*</a>
		<a href="#">Intel Core i5-9300HF @ 2.40GHz</a>				<a href="#">7,618</a>	<a href="#">\$250.00*</a>
		<a href="#">AMD Ryzen 3 4300U</a>				<a href="#">7,571</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-10100T @ 3.00GHz</a>				<a href="#">7,407</a>	<a href="#">\$122.00*</a>
		<a href="#">AMD Ryzen 5 3580U</a>				<a href="#">7,383</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 7 3700C</a>				<a href="#">7,145</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 3 PRO 3200GE</a>				<a href="#">7,071</a>	<a href="#">NA</a>
		<a href="#">Intel Core i7-1060NG7 @ 1.20GHz</a>				<a href="#">7,057</a>	<a href="#">NA</a>
		<a href="#">Intel Core i7-10610U @ 1.80GHz</a>				<a href="#">7,016</a>	<a href="#">\$409.00*</a>
		<a href="#">AMD Ryzen 5 PRO 3500U</a>				<a href="#">6,994</a>	<a href="#">NA</a>
		<a href="#">Intel Core i7-10510U @ 1.80GHz</a>				<a href="#">6,794</a>	<a href="#">\$409.00*</a>
		<a href="#">AMD Ryzen 5 3450U</a>				<a href="#">6,783</a>	<a href="#">NA</a>
		<a href="#">Intel Pentium Gold 8505</a>				<a href="#">6,771</a>	<a href="#">NA</a>
		<a href="#">Intel Core i5-10310U @ 1.70GHz</a>				<a href="#">6,546</a>	<a href="#">\$297.00*</a>
		<a href="#">Intel Core i5-10210U @ 1.60GHz</a>				<a href="#">6,382</a>	<a href="#">\$702.62*</a>
		<a href="#">Intel Core i3-1115G4 @ 3.00GHz</a>				<a href="#">6,247</a>	<a href="#">\$281.00*</a>
		<a href="#">Intel Core i7-8565UC @ 1.80GHz</a>				<a href="#">6,187</a>	<a href="#">NA</a>
		<a href="#">Intel Core i5-1030NG7 @ 1.10GHz</a>				<a href="#">6,132</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 3 3350U</a>				<a href="#">5,883</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 3 3300U</a>				<a href="#">5,778</a>	<a href="#">NA</a>
		<a href="#">Intel Core i5-7440EQ @ 2.90GHz</a>				<a href="#">5,711</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Core i5-8365UE @ 1.60GHz</a>				<a href="#">5,555</a>	<a href="#">\$297.00*</a>
		<a href="#">Intel Pentium Gold 7505 @ 2.00GHz</a>				<a href="#">5,338</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 5 3500C</a>				<a href="#">5,214</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-1005G1 @ 1.20GHz</a>				<a href="#">5,097</a>	<a href="#">\$281.00*</a>
		<a href="#">Intel Core i7-8665UE @ 1.70GHz</a>				<a href="#">5,017</a>	<a href="#">\$409.00*</a>
		<a href="#">Intel Core i7-10510Y @ 1.20GHz</a>				<a href="#">5,016</a>	<a href="#">\$403.00*</a>
		<a href="#">Intel Core i5-10210Y @ 1.00GHz</a>				<a href="#">4,964</a>	<a href="#">NA</a>

CPU Benchmarks	Video	Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
		<a href="#">Intel Core i5-6442EQ @ 1.90GHz</a>				<a href="#">4,598</a>	<a href="#">\$250.00*</a>
		<a href="#">Intel Pentium Silver N6005 @ 2.00GHz</a>				<a href="#">4,585</a>	<a href="#">NA</a>
		<a href="#">AMD Athlon Silver 3050GE</a>				<a href="#">4,545</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-9100TE @ 2.20GHz</a>				<a href="#">4,501</a>	<a href="#">\$122.00*</a>
		<a href="#">Intel Pentium 6805 @ 1.10GHz</a>				<a href="#">4,394</a>	<a href="#">\$161.00*</a>
		<a href="#">Intel Core i5-6350HQ @ 2.30GHz</a>				<a href="#">4,255</a>	<a href="#">\$306.00*</a>
		<a href="#">Intel Core i3-8140U @ 2.10GHz</a>				<a href="#">4,227</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-8145UE @ 2.20GHz</a>				<a href="#">4,087</a>	<a href="#">\$281.00*</a>
		<a href="#">AMD Athlon Gold 3150U</a>				<a href="#">4,025</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-10110U @ 2.10GHz</a>				<a href="#">3,980</a>	<a href="#">\$434.17*</a>
		<a href="#">AMD Athlon 300U</a>				<a href="#">3,970</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 3 3250U</a>				<a href="#">3,969</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-1000NG4 @ 1.10GHz</a>				<a href="#">3,828</a>	<a href="#">NA</a>
		<a href="#">Intel Core i5-L16G7 @ 1.40GHz</a>				<a href="#">3,421</a>	<a href="#">\$281.00*</a>
		<a href="#">Intel Pentium Silver N5020 @ 1.10GHz</a>				<a href="#">3,404</a>	<a href="#">NA</a>
		<a href="#">Intel Core i3-10110Y @ 1.00GHz</a>				<a href="#">3,278</a>	<a href="#">\$287.00*</a>
		<a href="#">Intel Celeron N5100 @ 1.10GHz</a>				<a href="#">3,251</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen Embedded R1305G</a>				<a href="#">3,209</a>	<a href="#">NA</a>
		<a href="#">AMD Athlon Silver 3050U</a>				<a href="#">3,044</a>	<a href="#">NA</a>
		<a href="#">AMD Athlon Silver 3050e</a>				<a href="#">2,955</a>	<a href="#">NA</a>
		<a href="#">AMD Ryzen 3 3250C</a>				<a href="#">2,917</a>	<a href="#">NA</a>
		<a href="#">AMD 3015e</a>				<a href="#">2,720</a>	<a href="#">NA</a>
		<a href="#">AMD A6-9400</a>				<a href="#">2,717</a>	<a href="#">NA</a>
		<a href="#">Intel Pentium Silver N5030 @ 1.10GHz</a>				<a href="#">2,712</a>	<a href="#">NA</a>
		<a href="#">Intel Celeron 7305</a>				<a href="#">2,665</a>	<a href="#">\$107.00*</a>
		<a href="#">Intel Celeron N4120 @ 1.10GHz</a>				<a href="#">2,519</a>	<a href="#">NA</a>
		<a href="#">AMD 3020e</a>				<a href="#">2,476</a>	<a href="#">NA</a>
		<a href="#">Intel Pentium 6405U @ 2.40GHz</a>				<a href="#">2,364</a>	<a href="#">\$161.00*</a>
		<a href="#">Intel Core i3-6102E @ 1.90GHz</a>				<a href="#">2,349</a>	<a href="#">\$225.00*</a>
		<a href="#">Intel Celeron 6305 @ 1.80GHz</a>				<a href="#">2,157</a>	<a href="#">NA</a>
		<a href="#">Intel Celeron 4305UE @ 2.00GHz</a>				<a href="#">1,876</a>	<a href="#">NA</a>
		<a href="#">Intel Pentium 4425Y @ 1.70GHz</a>				<a href="#">1,717</a>	<a href="#">\$161.00*</a>
		<a href="#">Intel Celeron N4000C @ 1.10GHz</a>				<a href="#">1,611</a>	<a href="#">NA</a>
		<a href="#">Intel Celeron N4020 @ 1.10GHz</a>				<a href="#">1,568</a>	<a href="#">NA</a>
		<a href="#">Intel Celeron 5205U @ 1.90GHz</a>				<a href="#">1,414</a>	<a href="#">\$107.00*</a>
		<a href="#">Intel Celeron 1020M @ 2.10GHz</a>				<a href="#">1,275</a>	<a href="#">NA</a>
		<a href="#">Intel Pentium A1020 @ 2.41GHz</a>				<a href="#">1,265</a>	<a href="#">NA</a>
		<a href="#">AMD R-272F APU</a>				<a href="#">1,215</a>	<a href="#">NA</a>
		<a href="#">AMD PRO A4-4350B</a>				<a href="#">1,162</a>	<a href="#">NA</a>
		<a href="#">AMD A4-9120C</a>				<a href="#">874</a>	<a href="#">NA</a>

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<a href="#">WirelessMon</a>	<a href="#">Serial and Parallel Loopback Plugs</a>	<a href="#">PC Systems Benchmarks</a>			
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