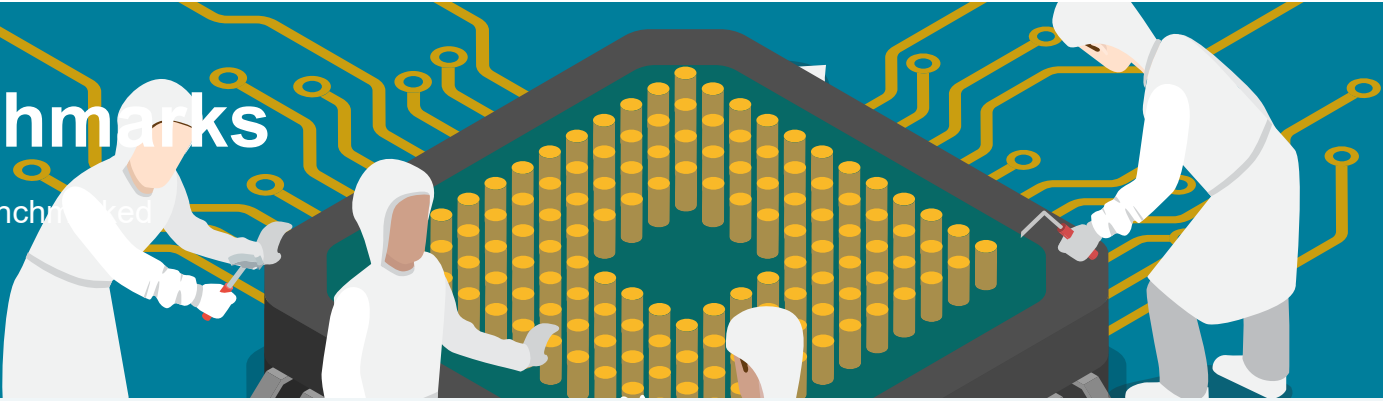


CPU Benchmarks

Over 1,000,000 CPUs Benchmarked



New Desktop CPU Performance

This chart comparing performance of CPUs designed for desktop machines is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

Notes:

- While we try to keep this chart mainly server and laptop CPU free, there might be some rogue processors in the list.
- The chart shows only CPUs that had their benchmark first submitted within the last 24 months. Older desktop CPUs may not appear.

CPUS

High End

High Mid Range

Low Mid Range

Low End

Best Value (On Market)

Best Value XY Scatter

Best Value (All time)

New Desktop

New Laptop

New Server

New Mobile

Single Thread

Systems with Multiple CPUs

Overclocked

Power Performance

CPU Mark by Socket Type

Cross-Platform CPU Performance

Top Gaming CPUs

CPU Mark

Price Performance






Sorted by Date

PassMark - CPU Mark


Desktop CPU Performance

Updated 11th of July 2024

CPU	CPU Mark		Price (USD)
<div><div></div><div>AMD Ryzen Threadripper PRO 7995WX</div></div>	<div><div></div></div>	<div>154,671</div>	<div>\$9,999.00*</div>
<div><div></div><div>AMD Ryzen Threadripper PRO 7985WX</div></div>	<div><div></div></div>	<div>135,597</div>	<div>\$7,349.00</div>
<div><div></div><div>AMD Ryzen Threadripper 7980X</div></div>	<div><div></div></div>	<div>134,981</div>	<div>\$4,989.99</div>
<div><div></div><div>AMD Ryzen Threadripper 7970X</div></div>	<div><div></div></div>	<div>97,354</div>	<div>\$2,399.00</div>
<div><div></div><div>AMD Ryzen Threadripper PRO 7975WX</div></div>	<div><div></div></div>	<div>94,612</div>	<div>\$4,134.28</div>
<div><div></div><div>AMD Ryzen Threadripper 7960X</div></div>	<div><div></div></div>	<div>83,326</div>	<div>\$1,397.00</div>
<div><div></div><div>AMD Ryzen Threadripper PRO 7965WX</div></div>	<div><div></div></div>	<div>81,845</div>	<div>\$2,995.00</div>
<div><div></div><div>Intel Core i9-14900KS</div></div>	<div><div></div></div>	<div>63,435</div>	<div>\$686.99</div>
<div><div></div><div>AMD Ryzen 9 7950X</div></div>	<div><div></div></div>	<div>62,822</div>	<div>\$539.98</div>
<div><div></div><div>AMD Ryzen 9 7950X3D</div></div>	<div><div></div></div>	<div>62,419</div>	<div>\$591.81</div>
<div><div></div><div>Intel Core i9-13900KS</div></div>	<div><div></div></div>	<div>61,768</div>	<div>\$624.99</div>
<div><div></div><div>Intel Core i9-14900K</div></div>	<div><div></div></div>	<div>60,685</div>	<div>\$547.99</div>
<div><div></div><div>AMD Ryzen Threadripper PRO 7955WX</div></div>	<div><div></div></div>	<div>60,249</div>	<div>NA</div>
<div><div></div><div>Intel Core i9-14900KF</div></div>	<div><div></div></div>	<div>60,013</div>	<div>\$861.21*</div>
<div><div></div><div>Intel Core i9-13900K</div></div>	<div><div></div></div>	<div>59,263</div>	<div>\$439.99</div>
<div><div></div><div>Intel Core i9-13900KF</div></div>	<div><div></div></div>	<div>58,602</div>	<div>\$433.18</div>
<div><div></div><div>AMD Ryzen 9 7940HX</div></div>	<div><div></div></div>	<div>53,704</div>	<div>NA</div>
<div><div></div><div>Intel Core i7-14700K</div></div>	<div><div></div></div>	<div>53,496</div>	<div>\$398.40</div>
<div><div></div><div>Intel Core i7-14700KF</div></div>	<div><div></div></div>	<div>53,367</div>	<div>\$392.99</div>
<div><div></div><div>AMD Ryzen 9 7900X</div></div>	<div><div></div></div>	<div>51,831</div>	<div>\$398.94</div>
<div><div></div><div>Intel Core i9-13900F</div></div>	<div><div></div></div>	<div>51,225</div>	<div>\$475.00</div>
<div><div></div><div>AMD Ryzen 9 7900X3D</div></div>	<div><div></div></div>	<div>50,357</div>	<div>\$404.00</div>
<div><div></div><div>Apple M2 Ultra 24 Core</div></div>	<div><div></div></div>	<div>49,944</div>	<div>NA</div>

		CPU Mega List				Intel Core i9-14900F	<div></div>	49,806	\$529.00		
		Search Model				AMD Ryzen Threadripper PRO 7945WX	<div></div>	49,599	NA		
	CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks		
<div><div>Common Most Benchmarked</div><div>AMD vs Intel Market Share Year on Year Performance</div></div>						AMD Ryzen 9 7900X	<div></div>	49,599	NA		
						Intel Core i9-13900	<div></div>	47,410	\$579.99		
						Intel Core i7-13700K	<div></div>	46,519	\$301.98		
						Intel Core i7-13700KF	<div></div>	46,285	\$281.41		
						Intel Core i7-13790F	<div></div>	46,110	\$429.00		
						Intel Core i7-14700	<div></div>	44,666	\$399.98		
						Intel Core i7-14700F	<div></div>	44,527	\$364.57		
						Intel Core i9-14900T	<div></div>	44,248	\$549.00*		
						Intel Core i9-13900T	<div></div>	44,037	\$549.00*		
						Intel Core i7-14700T	<div></div>	41,029	\$384.00*		
						Intel Core i5-14600KF	<div></div>	39,468	\$292.99		
						Intel Core i5-14600K	<div></div>	39,261	\$339.99		
						Intel Core i7-13700F	<div></div>	38,976	\$379.99		
						Intel Core i5-13600K	<div></div>	38,069	\$247.68		
						Intel Core i5-13600KF	<div></div>	37,852	\$222.38		
						Intel Core i7-13700	<div></div>	37,199	\$369.98		
						AMD Ryzen 7 7700X	<div></div>	35,941	\$307.45		
						Intel Core i5-14600	<div></div>	35,047	\$255.00*		
						AMD Ryzen 7 PRO 7745	<div></div>	34,652	NA		
						AMD Ryzen 9 PRO 5945	<div></div>	34,573	NA		
						AMD Ryzen 7 7700	<div></div>	34,565	\$322.68		
						AMD Ryzen 7 7800X3D	<div></div>	34,275	\$358.89		
						Intel Core i5-14500	<div></div>	32,801	\$239.99		
						AMD Ryzen 7 PRO 8700G	<div></div>	32,522	NA		
						Intel Core i5-13600	<div></div>	32,383	\$255.00*		
						Intel Core i5-13500	<div></div>	31,994	\$244.85		
						AMD Ryzen 9 PRO 8945HS	<div></div>	31,774	NA		
						AMD Ryzen 7 8700G	<div></div>	31,733	\$299.00		
						AMD Ryzen 9 8945H	<div></div>	31,708	NA		
						AMD Ryzen 7 8700F	<div></div>	31,144	\$269.00		
						AMD Ryzen 7 PRO 8700GE	<div></div>	30,588	NA		
						Intel Core i5-14600T	<div></div>	29,449	\$255.00*		
						AMD Ryzen 9 8945HS	<div></div>	29,402	NA		
						Intel Core i7-12700E	<div></div>	29,384	\$344.00*		
						AMD Ryzen 7 8845HS	<div></div>	28,879	NA		
						AMD Ryzen 7 8845H	<div></div>	28,774	NA		
						AMD Ryzen 7 PRO 8845HS	<div></div>	28,629	NA		
						AMD Ryzen 5 7600X	<div></div>	28,507	\$171.50		
						AMD Ryzen 7 PRO 8840HS	<div></div>	28,321	NA		
						Intel Core i5-13490F	<div></div>	27,467	\$199.99		
						Intel Core i5-13600T	<div></div>	27,250	\$255.00*		
						AMD Ryzen 5 7600	<div></div>	27,146	\$193.50		
						Intel Core i7-13700T	<div></div>	27,126	\$384.00*		
						AMD Ryzen 5 7500F	<div></div>	26,920	NA		
						AMD Ryzen 7 5700X3D	<div></div>	26,376	\$192.98		
						Intel Core i5-14400	<div></div>	25,964	\$239.00		
						AMD Ryzen 7 PRO 5845	<div></div>	25,961	NA		
						Intel Core i5-14400F	<div></div>	25,780	\$199.99		

		AMD Ryzen 5 PRO 8600GE	<div></div>	25,776	NA			
		Intel Core i5-14400T	<div></div>	25,774	\$221.00*			
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
		AMD Ryzen 7 PRO 8840U	<div></div>	25,037	NA			
		Intel Core i5-13400	<div></div>	24,887	\$205.00			
		AMD Ryzen 7 7435HS	<div></div>	24,869	NA			
		AMD Ryzen 7 8840HS	<div></div>	24,852	NA			
		AMD Ryzen 5 8400F	<div></div>	24,780	\$169.00			
		Intel Core i5-14500T	<div></div>	24,239	\$232.00*			
		AMD Ryzen 7 5700	<div></div>	24,211	\$169.00			
		AMD Ryzen 7 8840U	<div></div>	23,880	NA			
		Intel Core i5-13500T	<div></div>	23,404	\$232.00*			
		AMD Ryzen 5 8645HS	<div></div>	23,129	NA			
		AMD Ryzen 5 5600X3D	<div></div>	22,126	NA			
		AMD Ryzen 5 PRO 8500G	<div></div>	22,076	NA			
		AMD Ryzen 5 PRO 8640HS	<div></div>	22,041	NA			
		AMD Ryzen 5 PRO 5645	<div></div>	21,904	NA			
		AMD Ryzen 5 8500G	<div></div>	21,715	\$159.00			
		Apple M2 Pro 10 Core 3480 MHz	<div></div>	21,671	NA			
		AMD Ryzen 5 PRO 8500GE	<div></div>	21,426	NA			
		AMD Ryzen 5 8640HS	<div></div>	21,265	NA			
		Intel Core i5-13400T	<div></div>	21,147	\$221.00*			
		AMD Ryzen 5 8640U	<div></div>	20,642	NA			
		AMD Ryzen 5 5500GT	<div></div>	20,415	\$125.00			
		AMD Ryzen 5 5600GT	<div></div>	20,093	\$137.70			
		Apple M3 8 Core	<div></div>	19,562	NA			
		AMD Ryzen 5 8540U	<div></div>	19,316	NA			
		AMD Ryzen 5 PRO 8540U	<div></div>	19,140	NA			
		AMD Ryzen 5 4400G	<div></div>	17,160	NA			
		AMD Ryzen 5 PRO 4655G	<div></div>	16,355	NA			
		AMD Ryzen Embedded V2546	<div></div>	16,236	NA			
		Intel Core i5-12400T	<div></div>	16,158	\$149.99*			
		Intel Core i3-14100F	<div></div>	15,384	\$127.59			
		Intel Core i3-14100	<div></div>	15,075	\$139.00			
		Intel Core i3-13100F	<div></div>	14,622	\$87.99			
		AMD Ryzen 5 PRO 4655GE	<div></div>	14,436	NA			
		AMD Ryzen 3 PRO 8300G	<div></div>	14,351	NA			
		AMD Ryzen 3 PRO 8300GE	<div></div>	14,227	NA			
		Intel Core i3-13100	<div></div>	14,225	\$142.71			
		Intel Core i3-12300T	<div></div>	13,507	\$157.00*			
		Intel Core i3-13100T	<div></div>	13,100	\$134.00*			
		Intel Core i3-14100T	<div></div>	12,980	\$134.00*			
		AMD Ryzen 3 PRO 7335U	<div></div>	12,333	NA			
		Hygon C86 3250 8-core	<div></div>	11,476	NA			
		AMD Ryzen 3 7335U	<div></div>	11,218	NA			
		AMD Ryzen 3 PRO 4355GE	<div></div>	10,559	NA			
		Hygon C86 3185 8-core	<div></div>	9,243	NA			
		AMD Ryzen 5 7235HS	<div></div>	9,207	NA			
		Intel Core i9-9900B @ 3.10GHz	<div></div>	9,060	NA			
		Intel 300	<div></div>	7,160	\$82.00*			

CentaurHauls @2000MHz		6,549	NA
Intel Core i5-4470 @ 3.30GHz		3,971	NA

CPU Benchmarks

Video Card Benchmarks

Hard Drive Benchmarks

Memory Benchmarks

PC Benchmarks

Software Marketshare

Database Benchmarks

Android Benchmarks

iOS Benchmarks

AMD Athlon X2 450	1,195	NA
ZHAOXIN KaiXian KX-6640MA@2.1+GHz	1,597	NA
AMD Athlon X2 450	1,295	NA
ZHAOXIN Z3-6540M@2.1+GHz	1,270	NA
Intel Pentium D 3.40GHz	736	NA

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Benchmarks

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