







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 36 months. Older desktop CPUs may not appear.

 CPUS	CPU Mark	Price Performance	Sorted by Date
 High End	<h2>PassMark - CPU Mark</h2> <p>Desktop CPU Performance Updated 22nd of January 2024</p>		
High Mid Range	CPU	CPU Mark	
Low Mid Range	AMD Ryzen Threadripper PRO 7995WX	153,096	
Low End	AMD Ryzen Threadripper PRO 7985WX	136,854	
 Best Value (On Market)	AMD Ryzen Threadripper 7980X	134,902	
Best Value XY Scatter	AMD Ryzen Threadripper PRO 7975WX	99,930	
Best Value (All time)	AMD Ryzen Threadripper 7970X	99,129	
	AMD Ryzen Threadripper PRO 5995WX	93,129	
 New Desktop	AMD Ryzen Threadripper PRO 7965WX	84,785	
New Laptop	AMD Ryzen Threadripper 7960X	82,862	
	AMD Ryzen Threadripper PRO 5975WX	75,761	
 Single Thread	AMD Ryzen Threadripper PRO 5965WX	66,073	
Systems with Multiple CPUs	AMD Ryzen 9 7950X	63,110	
Overclocked	AMD Ryzen 9 7950X3D	62,573	
Power Performance	Intel Core i9-14900F	62,010	
CPU Mark by Socket Type	Intel Core i9-13900KS	61,883	
Cross-Platform CPU Performance	Intel Core i9-14900K	61,242	
	AMD Ryzen Threadripper PRO 7955WX	61,073	
	Intel Core i9-14900KF	60,492	
Top Gaming CPUs	Intel Core i9-13900K	59,464	
	Intel Core i9-13900KF	58,815	
	Intel Core i7-14700K	53,451	
 CPU Mega List	Intel Core i7-14700KF	53,408	
Search Model	Intel Core i9-13900F	52,228	

 Compare ⁰

 Common

Most
Benchmarked

 AMD vs Intel
Market Share

Year on Year
Performance

AMD Ryzen 9 7900X	52,042
Intel Core i7-14700F	51,355
AMD Ryzen Threadripper PRO 7945WX	50,835
AMD Ryzen 9 7900X3D	50,556
AMD Ryzen Threadripper PRO 5955WX	50,311
AMD Ryzen 9 7900	49,020
Apple M2 Ultra 24 Core	48,716
Intel Core i9-13900	48,050
Intel Core i7-13700K	46,647
Intel Core i7-13700KF	46,458
Intel Core i7-13790F	46,110
Intel Core i9-13900T	44,371
Intel Core i9-12900KS	44,167
Intel Core i9-12900K	41,397
Intel Core i9-12900KF	41,192
Apple M1 Ultra 20 Core	40,889
AMD Ryzen Threadripper PRO 5945WX	40,608
Intel Core i5-14600K	39,638
Intel Core i7-13700F	39,481
Intel Core i5-14600KF	38,893
Intel Core i5-13600K	38,220
Intel Core i7-13700	38,086
Intel Core i5-13600KF	38,047
Intel Core i9-12900F	36,915
AMD Ryzen 7 7700X	36,111
AMD Ryzen 9 PRO 5945	34,756
Intel Core i7-12700K	34,713
AMD Ryzen 7 7700	34,647
Intel Core i5-14500	34,600
Intel Core i7-12700KF	34,465
AMD Ryzen 7 7800X3D	34,446
AMD Ryzen 9 5900	34,445
Intel Core i9-12900	34,338
Intel Core i5-13600	32,693
Intel Core i5-13500	32,230
AMD Ryzen 7 8700G	32,042
Intel Xeon W-3265M @ 2.70GHz	32,025
Intel Core i7-12700	30,874
Intel Core i7-12700F	30,835
Intel Core i9-12900T	30,315
Intel Core i7-12700E	29,289