

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## CPU List

Below is an alphabetical list of all CPU types that appear in the charts. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you. Results below are for [Single CPU Systems](#) only. For [Multiple CPU Systems](#), results can be found on the CPU Mega List page.

 **Find CPU**

**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

**Single Thread**

- Systems with Multiple CPUs
- Overclocked
- Power Performance
- CPU Mark by Socket Type
- Cross-Platform CPU Performance

Column

## Single CPU Systems

Last updated on the 23rd of May 2023

CPU Name	CPU Mark (higher is better)
<a href="#">AMD EPYC 9654</a>	126,045
<a href="#">AMD EPYC 9474F</a>	99,068
<a href="#">AMD Ryzen Threadripper PRO 5995WX</a>	97,428
<a href="#">AMD EPYC 7773X</a>	90,731
<a href="#">AMD EPYC 7763</a>	85,915
<a href="#">AMD EPYC 7J13</a>	85,683
<a href="#">AMD EPYC 7713</a>	83,836
<a href="#">AMD EPYC 7713P</a>	83,439
<a href="#">AMD Ryzen Threadripper PRO 3995WX</a>	83,386
<a href="#">AMD EPYC 7V13</a>	82,878
<a href="#">AMD Ryzen Threadripper 3990X</a>	81,166
<a href="#">AMD EPYC 9354P</a>	79,341
<a href="#">AMD EPYC 7B13</a>	77,460
<a href="#">AMD EPYC 7643</a>	76,455

Top Gaming CPUs	CPU Name	CPU Mark (higher is better)
	AMD Ryzen Threadripper PRO 5975WX	76,051
<p>CPU Benchmarks</p> <p><a href="#">Search model</a></p> <p> Compare <sup>0</sup></p> <p> Common Most Benchmarked</p> <p> AMD vs Intel Market Share Year on Year Performance</p>	<p>Video Card Benchmarks</p> <p>Hard Drive Benchmarks</p> <p>RAM</p> <p>PC Systems</p> <p>Android</p> <p>iOS / iPhone</p>	
	<a href="#">AMD EPYC 7662</a>	73,143
	<a href="#">Intel Xeon w9-3475X</a>	70,850
	<a href="#">AMD EPYC 7702</a>	70,618
	<a href="#">AMD EPYC 75F3</a>	68,505
	<a href="#">AMD EPYC 7543P</a>	67,081
	<a href="#">AMD EPYC 7742</a>	66,915
	<a href="#">AMD Ryzen Threadripper PRO 5965WX</a>	66,524
	<a href="#">AMD EPYC 7R32</a>	64,727
	<a href="#">AMD Ryzen 9 7950X</a>	63,630
	<a href="#">AMD Ryzen 9 7950X3D</a>	63,615
	<a href="#">AMD Ryzen Threadripper 3970X</a>	63,439
	<a href="#">Intel Xeon w7-2495X</a>	63,374
	<a href="#">AMD Ryzen Threadripper PRO 3975WX</a>	63,020
	<a href="#">Intel Core i9-13900KS</a>	62,564
	<a href="#">Intel Xeon Platinum 8380 @ 2.30GHz</a>	62,318
	<a href="#">AMD EPYC 7702P</a>	62,007
	<a href="#">AMD EPYC 74F3</a>	60,577
	<a href="#">AMD EPYC 7642</a>	60,047
	<a href="#">Intel Core i9-13900K</a>	60,009
	<a href="#">AMD EPYC 7513</a>	59,988
	<a href="#">Intel Core i9-13900KF</a>	59,590
	<a href="#">Intel Xeon W-3375 @ 2.50GHz</a>	59,069
	<a href="#">Intel Xeon W-3365 @ 2.70GHz</a>	59,038
	<a href="#">AMD Ryzen 9 7945HX</a>	58,486
	<a href="#">AMD EPYC 7443P</a>	57,685
	<a href="#">Intel Xeon Gold 5420+</a>	57,593
	<a href="#">Intel Xeon Gold 6414U</a>	57,200
	<a href="#">AMD EPYC 7542</a>	56,728
	<a href="#">AMD EPYC 7543</a>	56,562
	<a href="#">AMD Ryzen Threadripper 3960X</a>	54,822
	<a href="#">AMD EPYC 7532</a>	54,670
	<a href="#">Intel Xeon Platinum 8358 @ 2.60GHz</a>	54,416
	<a href="#">AMD EPYC 7443</a>	53,770
	<a href="#">AMD Ryzen 9 7900X</a>	52,472
	<a href="#">Intel Xeon Gold 6348 @ 2.60GHz</a>	52,276
	<a href="#">Intel Xeon Platinum 8375C @ 2.90GHz</a>	51,836

CPU Name	CPU Mark (higher is better)
Intel Core i9-13900F	51,500

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<a href="#">Intel Xeon Gold 6314U @ 2.30GHz</a>	51,014
<a href="#">AMD EPYC 7413</a>	50,223
<a href="#">AMD EPYC 7453</a>	50,209
<a href="#">AMD EPYC 7502P</a>	49,748
<a href="#">Intel Core i9-13900</a>	49,445
<a href="#">AMD Ryzen Threadripper PRO 5955WX</a>	49,388
<a href="#">Intel Xeon Platinum 8347C @ 2.10GHz</a>	49,386
<a href="#">Intel Core i9-13980HX</a>	49,345
<a href="#">AMD Ryzen 9 7900</a>	49,334
<a href="#">AMD EPYC 7K62</a>	49,104
<a href="#">AMD EPYC 7452</a>	48,955
<a href="#">AMD EPYC 7R12</a>	48,934
<a href="#">Intel Xeon W-3345 @ 3.00GHz</a>	48,261
<a href="#">AMD EPYC 7402</a>	47,633
<a href="#">Intel Xeon Gold 6342 @ 2.80GHz</a>	47,320
<a href="#">Intel Core i7-13700K</a>	47,070
<a href="#">AMD Ryzen 9 7845HX</a>	46,859
<a href="#">Intel Core i7-13700KF</a>	46,840
<a href="#">Intel Xeon Gold 6338N @ 2.20GHz</a>	46,583
<a href="#">Intel Xeon w5-2465X</a>	46,504
<a href="#">ARM Neoverse-N1 128 Core 3000 MHz</a>	46,271
<a href="#">AMD EPYC 73F3</a>	46,085
<a href="#">Intel Core i9-13900HX</a>	45,973
<a href="#">AMD Ryzen 9 5950X</a>	45,921
<a href="#">AMD EPYC 7502</a>	45,839
<a href="#">Intel Core i9-13950HX</a>	45,743
<a href="#">AMD EPYC 9124</a>	45,598
<a href="#">Intel Xeon Gold 6336Y @ 2.40GHz</a>	45,517
<a href="#">Intel Core i9-13900T</a>	45,086
<a href="#">Intel Xeon W-3275 @ 2.50GHz</a>	44,820
<a href="#">Intel Core i9-12900KS</a>	44,351
<a href="#">AMD EPYC 7343</a>	43,826
<a href="#">Intel Xeon Gold 6312U @ 2.40GHz</a>	43,710
<a href="#">ARM Neoverse-N1 128 Core 2800 MHz</a>	43,111
<a href="#">Intel Xeon Gold 6330 @ 2.00GHz</a>	43,056
<a href="#">AMD EPYC 7402P</a>	42,245

CPU Name	CPU Mark (higher is better)
AMD EPYC 7601	42,244

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<a href="#">Intel Core i7-13700F</a>	41,935
<a href="#">Intel Core i9-12900K</a>	41,602
<a href="#">Intel Xeon Gold 6354 @ 3.00GHz</a>	41,445
<a href="#">Intel Core i9-12900KF</a>	41,432
<a href="#">AMD EPYC 7352</a>	41,281
<a href="#">AMD EPYC 7F52</a>	41,023
<a href="#">Apple M1 Ultra 20 Core</a>	40,958
<a href="#">Intel Xeon Platinum 8275CL @ 3.00GHz</a>	40,794
<a href="#">AMD Ryzen Threadripper PRO 5945WX</a>	40,623
<a href="#">AMD EPYC 7551P</a>	40,619
<a href="#">AMD EPYC 7313</a>	40,605
<a href="#">AMD EPYC 7D12</a>	40,459
<a href="#">AMD Ryzen Threadripper PRO 3955WX</a>	40,253
<a href="#">Intel Xeon W-3275M @ 2.50GHz</a>	39,979
<a href="#">Intel Xeon W-3335 @ 3.40GHz</a>	39,317
<a href="#">AMD Ryzen 9 5900X</a>	39,314
<a href="#">Intel Core i7-13700</a>	38,993
<a href="#">AMD Ryzen 9 3950X</a>	38,974
<a href="#">Intel Xeon Gold 6248R @ 3.00GHz</a>	38,604
<a href="#">Intel Core i5-13600K</a>	38,507
<a href="#">Intel Core i5-13600KF</a>	38,410
<a href="#">Intel Core i7-13850HX</a>	37,956
<a href="#">Intel Core i7-13700T</a>	37,790
<a href="#">Intel Xeon Gold 6346 @ 3.10GHz</a>	37,722
<a href="#">Intel Xeon Gold 5320 @ 2.20GHz</a>	37,558
<a href="#">Intel Xeon Gold 6238R @ 2.20GHz</a>	37,511
<a href="#">Intel Xeon Silver 4316 @ 2.30GHz</a>	37,264
<a href="#">Intel Core i9-12900F</a>	37,254
<a href="#">Intel Xeon W-3175X @ 3.10GHz</a>	37,167
<a href="#">AMD Ryzen 7 7700X</a>	36,552
<a href="#">ARM Neoverse-N1 80 Core 3000 MHz</a>	36,400
<a href="#">Intel Xeon Gold 5416S</a>	36,391
<a href="#">AMD Ryzen 7 7700</a>	35,626
<a href="#">Intel Core i9-12900HX</a>	35,459
<a href="#">Intel Xeon Gold 6326 @ 2.90GHz</a>	35,224
<a href="#">Intel Xeon Platinum 8180 @ 2.50GHz</a>	35,208

CPU Name	CPU Mark (higher is better)
AMD Ryzen 7 7800X3D	35,130

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<a href="#">Intel Xeon Gold 6242R @ 3.10GHz</a>	34,963
<a href="#">Intel Core i7-12700K</a>	34,796
<a href="#">AMD Ryzen 9 PRO 5945</a>	34,732
<a href="#">Intel Core i9-12900</a>	34,719
<a href="#">Intel Core i7-12700KF</a>	34,607
<a href="#">AMD Ryzen 9 5900</a>	34,588
<a href="#">Intel Xeon Gold 6230R @ 2.10GHz</a>	34,183
<a href="#">Intel Xeon Platinum 8260M @ 2.30GHz</a>	33,970
<a href="#">Intel Core i5-13600</a>	33,907
<a href="#">Intel Core i7-13700HX</a>	33,896
<a href="#">Intel Xeon D-2799 @ 2.40GHz</a>	33,792
<a href="#">Intel Xeon w5-2445</a>	33,616
<a href="#">AMD Ryzen Threadripper PRO 3945WX</a>	33,450
<a href="#">Intel Core i7-12800HX</a>	33,450
<a href="#">Intel Xeon Gold 5220R @ 2.20GHz</a>	33,370
<a href="#">Intel Xeon Gold 5318Y @ 2.10GHz</a>	33,283
<a href="#">Intel Xeon Platinum 8259CL @ 2.50GHz</a>	33,279
<a href="#">Intel Core i9-12950HX</a>	33,101
<a href="#">Intel Core i9-10980XE @ 3.00GHz</a>	32,955
<a href="#">Intel Xeon Gold 6278C @ 2.60GHz</a>	32,835
<a href="#">AMD Ryzen 9 3900XT</a>	32,788
<a href="#">Intel Xeon Platinum 8280 @ 2.70GHz</a>	32,781
<a href="#">AMD Ryzen 9 3900X</a>	32,725
<a href="#">Intel Core i7-13650HX</a>	32,715
<a href="#">Intel Core i5-13500</a>	32,703
<a href="#">AMD EPYC 7302</a>	32,691
<a href="#">AMD EPYC 7302P</a>	32,627
<a href="#">Intel Xeon Platinum 8168 @ 2.70GHz</a>	32,606
<a href="#">AMD Ryzen 9 7940H</a>	32,499
<a href="#">AMD Ryzen Threadripper 2990WX</a>	32,178
<a href="#">Intel Core i9-9980XE @ 3.00GHz</a>	32,048
<a href="#">Intel Xeon W-3265M @ 2.70GHz</a>	32,025
<a href="#">Intel Xeon Platinum 8173M @ 2.00GHz</a>	31,837
<a href="#">Intel Xeon Platinum 8268 @ 2.90GHz</a>	31,632
<a href="#">Intel Core i9-12900E</a>	31,530
<a href="#">Intel Core i9-12900T</a>	31,477

CPU Name	CPU Mark (higher is better)
Intel Core i9-13900H	31,371

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<a href="#">Intel Core i7-12700F</a>	31,189
<a href="#">Intel Core i7-12700</a>	31,141
<a href="#">AMD EPYC 7371</a>	31,094
<a href="#">AMD Ryzen 9 3900</a>	30,778
<a href="#">Intel Xeon W-2295 @ 3.00GHz</a>	30,739
<a href="#">Intel Xeon Platinum 8171M @ 2.60GHz</a>	30,632
<a href="#">AMD EPYC Embedded 7292P</a>	30,542
<a href="#">Intel Xeon Gold 6246R @ 3.40GHz</a>	30,468
<a href="#">Intel Core i7-12850HX</a>	30,386
<a href="#">Intel Core i9-7980XE @ 2.60GHz</a>	30,358
<a href="#">Intel Core i9-9960X @ 3.10GHz</a>	30,354
<a href="#">Intel Xeon W-3245 @ 3.20GHz</a>	30,308
<a href="#">Intel Core i9-9990XE @ 4.00GHz</a>	30,162
<a href="#">AMD Ryzen 9 7940HS</a>	30,153
<a href="#">Intel Xeon W-3265 @ 2.70GHz</a>	30,105
<a href="#">AMD Ryzen Threadripper 2970WX</a>	29,958
<a href="#">Intel Core i7-13700H</a>	29,810
<a href="#">Intel Core i7-12800HE</a>	29,805
<a href="#">Intel Core i5-13600HX</a>	29,716
<a href="#">AMD Ryzen 7 7840HS</a>	29,623
<a href="#">Intel Xeon Silver 4410Y</a>	29,585
<a href="#">Intel Xeon Gold 6248 @ 2.50GHz</a>	29,504
<a href="#">Intel Xeon Gold 6154 @ 3.00GHz</a>	29,488
<a href="#">AMD Ryzen Threadripper 2950X</a>	29,368
<a href="#">Intel Xeon Platinum 8260 @ 2.40GHz</a>	29,360
<a href="#">Intel Xeon Gold 6254 @ 3.10GHz</a>	29,356
<a href="#">Intel Xeon Silver 4314 @ 2.40GHz</a>	29,347
<a href="#">Intel Xeon Gold 6148 @ 2.40GHz</a>	28,993
<a href="#">AMD Ryzen 5 7600X</a>	28,965
<a href="#">Intel Core i9-12900H</a>	28,932
<a href="#">AMD EPYC 7282</a>	28,927
<a href="#">Intel Xeon Gold 6210U @ 2.50GHz</a>	28,915
<a href="#">Intel Xeon W-3245M @ 3.20GHz</a>	28,908
<a href="#">Intel Xeon Silver 4410T</a>	28,859
<a href="#">Intel Xeon W-2191B @ 2.30GHz</a>	28,765
<a href="#">Intel Xeon Gold 6253CL @ 3.10GHz</a>	28,549