

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Xeon W-1270 @ 3.40GHz

Benchmarks for the Intel Xeon W-1270 can be found below. Release dates, price and performance comparisons are also listed when available. This is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

- The first graph shows the relative performance of the CPU compared to the 10 other common (single) CPUs in terms of PassMark CPU Mark.
- The 2nd graph shows the value for money, in terms of the CPUmark per dollar.
- The pricing history data shows the price for a single Processor. For multiple Processors, multiply the price shown by the number of CPUs.

CPUS

Multithread

Page: 1, 2, 3, 4

Single Thread

Page: 1, 2, 3, 4

Best Value (On Market)

Best Value XY Scatter

Best Value (All time)

New Desktop

New Laptop

New Server

New Mobile

Systems with Multiple CPUs

Overclocked

Power Performance

CPU Mark by Socket Type

Cross-Platform CPU Performance

Top Gaming CPUs

CPU Mega List

Search Model

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Common Most Benchmarked

AMD vs Intel Market Share

Year on Year Performance

Intel Xeon W-1270 @ 3.40GHz

Description: Intel UHD Graphics P630

Class: Server

Socket: FCLGA1200

Clockspeed: 3.4 GHz

Turbo Speed: 5.0 GHz

Cores: 8 Threads: 16

Typical TDP: 80 W

Cache per CPU Package:
L1 Instruction Cache: 8 x 32 KB
L1 Data Cache: 8 x 32 KB
L2 Cache: 8 x 256 KB
L3 Cache: 16 MB

Memory Support: Max. Memory Size: 128 GB (DDR4-2933, ECC Supported)

Other names: Intel(R) Xeon(R) W-1270 CPU @ 3.40GHz, Intel Xeon W-1270 CPU @ 3.40GHz

CPU First Seen on Charts: Q3 2020

CPUmark/\$Price: 48.37

Overall Rank:
1062nd fastest in multithreading out of 5557 CPUs
786th fastest in single threading out of 5557 CPUs
496th fastest in out of 1190 Server CPUs

Last Price Change: [\\$362.00 USD](#) (2020-04-01)

Average CPU Mark

Multithread Rating

17509

Single Thread Rating

2981

Samples: 39*

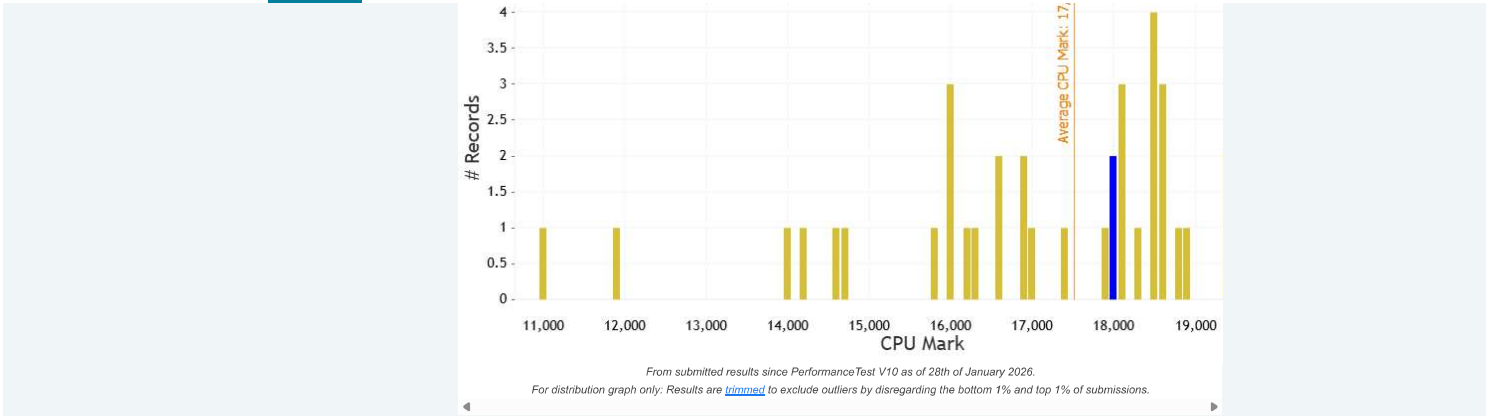
*Margin for error: Low

+ COMPARE

CPU Test Suite Average Results for Intel Xeon W-1270 @ 3.40GHz

Integer Math	65,128 MOps/Sec
Floating Point Math	40,349 MOps/Sec
Find Prime Numbers	53 Million Primes/Sec
Random String Sorting	33,523 Thousand Strings/Sec
Data Encryption	5,923 MBytes/Sec
Data Compression	264,074 KBytes/Sec
Physics	891 Frames/Sec
Extended Instructions	17,818 Million Matrices/Sec
Single Thread	2,981 MOps/Sec

From submitted results to PerformanceTest V10 as of 3rd of February 2026.



Search for **Intel Xeon W-1270 @ 3.40GHz** from the Featured Merchants below:

amazon

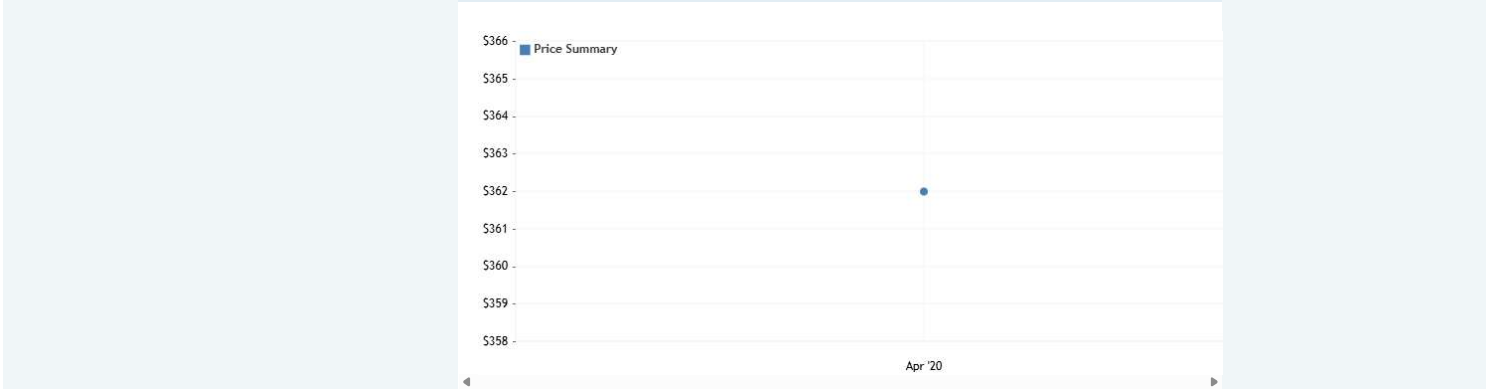
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Pricing History



CPU Mark Relative to Top 10 Common Server CPUs

As of 3rd of February 2026 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen Threadripper PRO 3955WX	39,928
ARM Neoverse-N1 128 Core 3000 MHz	39,780
AMD Ryzen 7 PRO 7745	34,827
ARM Neoverse-N1 80 Core 3000 MHz	34,788
AMD Ryzen 5 PRO 7645	27,565
Intel Xeon W-1270 @ 3.40GHz	17,509
Intel Xeon E5-2680 v4 @ 2.40GHz	17,237
Intel Xeon E5-2697 v2 @ 2.70GHz	14,249
Hygon C86-3G (OPN:3350)	11,656
Intel Xeon E5-1650 v4 @ 3.60GHz	11,335
Intel Xeon E5-1650 v3 @ 3.50GHz	10,378

CPU Value (CPU Mark / \$Price)

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Processor	CPU Mark / \$Price	
Intel Xeon E5-2680 v4 @ 2.40GHz	<div></div>	81.32
Intel Xeon E5-2697 v2 @ 2.70GHz	<div></div>	73.66
AMD Ryzen 5 PRO 7645	<div></div>	61.71
AMD Ryzen 7 PRO 7745	<div></div>	57.60
Intel Xeon W-1270 @ 3.40GHz	<div></div>	48.37
AMD Ryzen Threadripper PRO 3955WX	<div></div>	39.93
Intel Xeon E5-1650 v4 @ 3.60GHz	<div></div>	26.36
Intel Xeon E5-1650 v3 @ 3.50GHz	<div></div>	7.28
ARM Neoverse-N1 80 Core 3000 MHz	<div></div>	NA
ARM Neoverse-N1 128 Core 3000 MHz	<div></div>	NA
Hygon C86-3G (OPN.3350)	<div></div>	NA

Single Thread Rating

As of 3rd of February 2026 - Higher results represent better performance

Processor	Average Thread Rating	
AMD Ryzen 7 PRO 7745	<div></div>	4.117
AMD Ryzen 5 PRO 7645	<div></div>	3.954
Intel Xeon W-1270 @ 3.40GHz	<div></div>	2,981
AMD Ryzen Threadripper PRO 3955WX	<div></div>	2.680
Intel Xeon E5-1650 v4 @ 3.60GHz	<div></div>	2.371
Intel Xeon E5-1650 v3 @ 3.50GHz	<div></div>	2.122
Intel Xeon E5-2680 v4 @ 2.40GHz	<div></div>	1.931
Intel Xeon E5-2697 v2 @ 2.70GHz	<div></div>	1.780
Hygon C86-3G (OPN.3350)	<div></div>	1.715
ARM Neoverse-N1 128 Core 3000 MHz	<div></div>	1.329
ARM Neoverse-N1 80 Core 3000 MHz	<div></div>	1.328

Last 5 Baselines for Intel Xeon W-1270 @ 3.40GHz

Most recent listed first

Baseline	CPU Mark	
BL3204951 - Jan 11 2026	<div></div>	18330
BL3204920 - Jan 11 2026	<div></div>	18665
BL3204817 - Jan 11 2026	<div></div>	17924
BL3087850 - Nov 27 2025	<div></div>	16926
BL3085946 - Nov 27 2025	<div></div>	16679

Additional baselines can be obtained using Windows version of [PerformanceTest's Manage Baselines](#) feature.

Popular comparisons for Intel Xeon W-1270 @ 3.40GHz

As of 3rd of February 2026 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Xeon W-1270 @ 3.40GHz	<div></div>	17,509
AMD EPYC 7232P vs Intel Xeon W-1270	<div></div>	17.712 (+1.2%)
AMD EPYC 3251 vs Intel Xeon W-1270	<div></div>	13.705 (-21.7%)
AMD EPYC 7252 vs Intel Xeon W-1270	<div></div>	19.411 (+10.9%)
Intel Xeon W-1250 @ 3.30GHz vs Intel Xeon W-1270	<div></div>	13.657 (-22.0%)
Intel Xeon W-11855M @ 3.20GHz vs Intel Xeon W-1270	<div></div>	17.408 (-0.6%)
Intel Xeon W-1350 @ 3.30GHz vs Intel Xeon W-1270	<div></div>	18.747 (+7.1%)
AMD EPYC 7203 vs Intel Xeon W-1270	<div></div>	17.717 (+1.2%)
Intel Xeon Gold 6234 @ 3.30GHz vs Intel Xeon W-1270	<div></div>	17.274 (-1.3%)
Intel Xeon W-1250P @ 4.10GHz vs Intel Xeon W-1270	<div></div>	14.363 (-18.0%)
Intel Xeon E-2246G @ 3.60GHz vs Intel Xeon W-1270	<div></div>	13.894 (-20.6%)

Intel Xeon E-2236 @ 3.40GHz vs Intel Xeon W-1270



13,836 (-21.0%)

Intel Xeon E5-1660 v4 @ 3.20GHz vs Intel Xeon W-1270



13,289 (-24.1%)

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