

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## [Dual CPU] AMD EPYC 75F3

Price and performance details for the [Dual CPU] AMD EPYC 75F3 can be found below. 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.

### [Dual CPU] AMD EPYC 75F3

#### Description:

**Class:**  
Server

**Socket:**  
SP3

**Clockspeed:**  
3.0 GHz

**Turbo Speed:**  
4.0 GHz

**4 Cores:**  
32  
**4 Threads:**  
64

**Typical TDP:**  
280 W

**TDP Down:**  
225 W

#### Cache per CPU Package:

L1 Instruction Cache: 12 x 32 KB  
L1 Data Cache: 12 x 32 KB  
L2 Cache: 12 x 512 KB  
L3 Cache: 32 MB

**Other names:** AMD EPYC 75F3 32-Core Processor

**CPU First Seen on Charts:** Q2 2021

**CPUmark/\$Price:** 9.98

**Overall Rank:** 21

**Last Price Change:** [\\$9,998.00 USD](#) Total for 2 CPUs (2023-06-02)

### Average CPU Mark



**99758**

Single Thread Rating: 2616

Samples: 5\*

\*[Margin for error:](#) High

+ COMPARE

\* The number of cores/threads and TDP is per CPU. To determine the total, multiply by the total CPU count.

## CPU Test Suite Average Results for [Dual CPU] AMD EPYC 75F3

### CPU Benchmarks ▼

Floating Point Math	353,580 MOps/Sec
Find Prime Numbers	1,360 Million Primes/Sec
Random String Sorting	238,446 Thousand Strings/Sec
Data Encryption	150,571 MBytes/Sec
Data Compression	2,225,943 KBytes/Sec
Physics	15,337 Frames/Sec
Extended Instructions	131,434 Million Matrices/Sec
Single Thread	2,616 MOps/Sec




From submitted results to PerformanceTest V10 as of 29th of February 2024.

## CPU Mark Distribution for [Dual CPU] AMD EPYC 75F3

### Submitted Baseline Distribution Graph as of 28th of February 2024

Not Enough Data from Current Version of PerformanceTest to Create Distribution Graph.

From submitted results to PerformanceTest V10 as of 28th of February 2024.

Merchant	Price	Purchase
	NA	<a href="#">CPU Not Available. See Other Models</a>
	\$4,999.00 USD	BUY NOW!
	NA	<a href="#">CPU Not Available. See Other Models</a>

Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

## Pricing History

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## CPU Mark Relative to Top 10 Common Server CPUs

As of 29th of February 2024 - Higher results represent better performance

Processor	Average CPU Mark
[Dual CPU] AMD EPYC 75F3	99,758
<a href="#">AMD Ryzen Threadripper PRO 3995WX</a>	<a href="#">83,562</a>
<a href="#">AMD Ryzen Threadripper PRO 5975WX</a>	<a href="#">75,834</a>
<a href="#">AMD Ryzen Threadripper PRO 3975WX</a>	<a href="#">62,893</a>
<a href="#">AMD Ryzen Threadripper PRO 3955WX</a>	<a href="#">40,374</a>
<a href="#">AMD Ryzen Threadripper PRO 3945WX</a>	<a href="#">33,514</a>
<a href="#">Intel Xeon E5-2680 v4 @ 2.40GHz</a>	<a href="#">17,944</a>
<a href="#">Intel Xeon E5-1650 v3 @ 3.50GHz</a>	<a href="#">10,419</a>
<a href="#">Intel Xeon E5-1650 v2 @ 3.50GHz</a>	<a href="#">9,348</a>
<a href="#">Intel Xeon E5-2620 v3 @ 2.40GHz</a>	<a href="#">7,805</a>
<a href="#">Intel Xeon E5-1620 v3 @ 3.50GHz</a>	<a href="#">6,990</a>

## CPU Value (CPU Mark / \$Price)

As of 29th of February 2024 - Higher results represent better value

Processor	CPU Mark / \$Price
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<a href="#">Intel Xeon E5-2620 v3 @ 2.40GHz</a>		<a href="#">600.86</a>
<a href="#">Intel Xeon E5-1650 v3 @ 3.50GHz</a>		<a href="#">75.22</a>
<a href="#">Intel Xeon E5-1620 v3 @ 3.50GHz</a>		<a href="#">65.94</a>
<a href="#">AMD Ryzen Threadripper PRO 3955WX</a>		<a href="#">40.75</a>
<a href="#">Intel Xeon E5-1650 v2 @ 3.50GHz</a>		<a href="#">39.27</a>
<a href="#">AMD Ryzen Threadripper PRO 5975WX</a>		<a href="#">28.09</a>
<a href="#">AMD Ryzen Threadripper PRO 3975WX</a>		<a href="#">20.98</a>
<a href="#">AMD Ryzen Threadripper PRO 3995WX</a>		<a href="#">12.17</a>
[Dual CPU] AMD EPYC 75F3		9.98
<a href="#">AMD Ryzen Threadripper PRO 3945WX</a>		<a href="#">NA</a>

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### Single Thread Rating

*As of 29th of February 2024 - Higher results represent better performance*

Processor	Average Thread Rating
<a href="#">AMD Ryzen Threadripper PRO 5975WX</a>	<a href="#">3,310</a>
<a href="#">AMD Ryzen Threadripper PRO 3945WX</a>	<a href="#">2,702</a>
<a href="#">AMD Ryzen Threadripper PRO 3955WX</a>	<a href="#">2,681</a>
<a href="#">AMD Ryzen Threadripper PRO 3975WX</a>	<a href="#">2,659</a>
[Dual CPU] AMD EPYC 75F3	2,616
<a href="#">AMD Ryzen Threadripper PRO 3995WX</a>	<a href="#">2,599</a>
<a href="#">Intel Xeon E5-1650 v3 @ 3.50GHz</a>	<a href="#">2,124</a>
<a href="#">Intel Xeon E5-1650 v2 @ 3.50GHz</a>	<a href="#">2,049</a>
<a href="#">Intel Xeon E5-1620 v3 @ 3.50GHz</a>	<a href="#">2,015</a>
<a href="#">Intel Xeon E5-2680 v4 @ 2.40GHz</a>	<a href="#">1,952</a>
<a href="#">Intel Xeon E5-2620 v3 @ 2.40GHz</a>	<a href="#">1,690</a>

### Last 5 Baselines for [Dual CPU] AMD EPYC 75F3

*Most recent listed first*

## Baseline

## CPU Mark

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<a href="#">BL5018498 - Jul 02 2022</a>	<a href="#">108588</a>
<a href="#">BL5018497 - Jul 02 2022</a>	<a href="#">108945</a>
<a href="#">BL5010730 - Jan 10 2022</a>	<a href="#">105738</a>
<a href="#">BL1467661 - Nov 12 2021</a>	<a href="#">64772</a>

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

## Popular comparisons for AMD EPYC 75F3

As of 29th of February 2024 - Higher results represent better performance

## Processor

## Average CPU Mark

AMD EPYC 75F3	99,758
<a href="#">Intel Xeon Platinum 8380 @ 2.30GHz vs AMD EPYC 75F3</a>	<a href="#">62,318</a> (-37.5%)
<a href="#">Intel Xeon Platinum 8380 @ 2.30GHz vs AMD EPYC 75F3</a>	<a href="#">62,318</a> (-37.5%)
<a href="#">AMD Ryzen Threadripper PRO 5975WX vs AMD EPYC 75F3</a>	<a href="#">75,834</a> (-24.0%)
<a href="#">AMD EPYC 7B13 vs AMD EPYC 75F3</a>	<a href="#">77,460</a> (-22.4%)
<a href="#">AMD EPYC 7643 vs AMD EPYC 75F3</a>	<a href="#">76,455</a> (-23.4%)
<a href="#">AMD EPYC 9654P vs AMD EPYC 75F3</a>	<a href="#">113,949</a> (+14.2%)
<a href="#">Intel Xeon Platinum 8470 @ 2.00GHz vs AMD EPYC 75F3</a>	<a href="#">89,850</a> (-9.9%)
<a href="#">AMD Ryzen Threadripper PRO 3995WX vs AMD EPYC 75F3</a>	<a href="#">83,562</a> (-16.2%)
<a href="#">Intel Xeon Platinum 8358 @ 2.60GHz vs AMD EPYC 75F3</a>	<a href="#">54,416</a> (-45.5%)
<a href="#">Intel Xeon Platinum 8470 @ 2.00GHz vs AMD EPYC 75F3</a>	<a href="#">89,850</a> (-9.9%)
<a href="#">Intel Xeon Platinum 8358 @ 2.60GHz vs AMD EPYC 75F3</a>	<a href="#">54,416</a> (-45.5%)
<a href="#">AMD Ryzen Threadripper PRO 5995WX vs AMD EPYC 75F3</a>	<a href="#">92,987</a> (-6.8%)

## Software

[BurnInTest](#)

[PerformanceTest](#)

## Hardware

[USB3.0 Loopback Plugs](#)

[USB2.0 Loopback Plugs](#)

[OSForensics](#)

[MemTest86](#)

[PCIe Test Cards](#)

[USB Power Delivery Tester](#)



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