

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Apple M2 8 Core 3500 MHz

Price and performance details for the Apple M2 8 Core 3500 MHz 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 CPU Mark 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.

Home	CPUS	Apple M2 8 Core 3500 MHz	Average CPU Mark
		Description:	
High End High Mid Range Low Mid Range Low End		Class: Desktop, Laptop Socket:	15338
		Total Cores: 8 Cores, 8 Threads	Single Thread Rating: 3984 Samples: 1056* * Margin for error: Low
Best Value (On Market) Best Value XY Scatter Best Value (All time)		Primary Cores: 4 Cores, 4 Threads, 3.5 GHz Base, NA Turbo Secondary Cores: 4 Cores, 4 Threads, 2.8 GHz Base, NA Turbo	+ COMPARE
		Other names: ARM Apple M2 8 Core 0 MHz, Apple M2	
New Desktop New Laptop		CPU First Seen on Charts: Q3 2022	
		CPUmark/\$Price: NA	
Single Thread Systems with Multiple CPUs Overclocked Power Performance CPU Mark by Socket Type Cross-Platform CPU Performance Top Gaming CPUs		Overall Rank: 617	
		Last Price Change: NA	
CPU Mega List Search Model		CPU Test Suite Average Results for Apple M2 8 Core 3500 MHz	
		Integer Math	36,130 MOps/Sec
		Floating Point Math	38,816 MOps/Sec
		Find Prime Numbers	184 Million Primes/Sec

Compare ⁰

Home CPU Benchmarks

Most Benchmarked

AMD vs Intel Market Share

Year on Year Performance

Random String Sorting

24,562 Thousand Strings/Sec

Data Compression

191,167 KBytes/Sec

Physics

1,651 Frames/Sec

Extended Instructions

6,380 Million Matrices/Sec

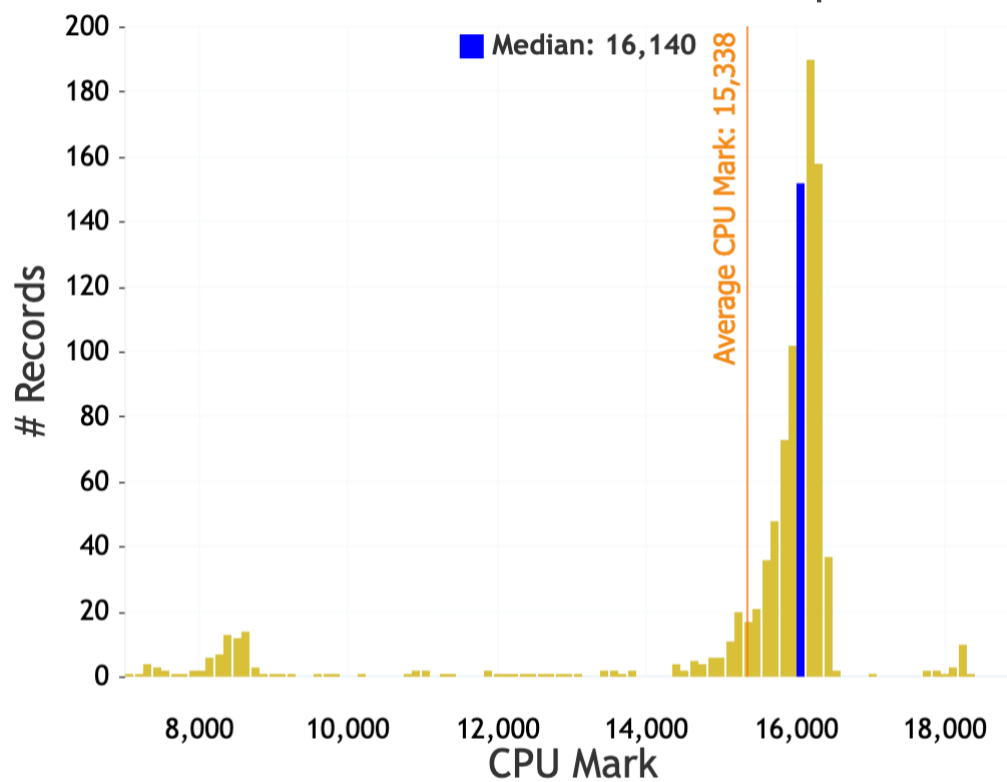
Single Thread

3,984 MOps/Sec

From submitted results to PerformanceTest V10 as of 21st of July 2023.

CPU Mark Distribution for Apple M2 8 Core 3500 MHz

Submitted Baseline Distribution Graph as of 17th of July 2023



From submitted results to PerformanceTest V10 as of 17th of July 2023.

For distribution graph only: Results are trimmed to exclude outliers by disregarding the bottom 1% and top 1% of submissions.

Search for **Apple M2 8 Core 3500 MHz**






from the Featured Merchants below:



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Machines with this CPU (or similar)

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	17.2-inch Liquid Retina XDR Display, 16GB Unified Memory, 512GB SSD Storage. Works with iPhone/iPad; Space Gray.	(www.amazon.com)
	Apple 2022 MacBook Pro Laptop with M2 chip: 13-inch Retina Display, 8GB RAM, 512GB SSD Storage, Touch Bar, Backlit Keyboard, FaceTime HD Camera. Works with iPhone and iPad; Silver	\$1299.00 (www.amazon.com)
	Apple 2023 MacBook Pro Laptop M2 Max chip with 12-core CPU and 38-core GPU: 16.2-inch Liquid Retina XDR Display, 32GB Unified Memory, 1TB SSD Storage. Works with iPhone/iPad; Space Gray.	\$3249.99 (www.amazon.com)
	Apple MacBook Pro 13.3" with Retina Display, M2 Chip with 8-Core CPU and 10-Core GPU, 24GB Memory, 2TB SSD, Space Gray, Mid 2022	\$2475.95 (www.amazon.com)
	Apple MacBook Pro 13.3" with Retina Display, M2 Chip with 8-Core CPU and 10-Core GPU, 16GB Memory, 512GB SSD, Space Gray, Mid 2022	\$1668.95 (www.amazon.com)

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CPU Mark Relative to Top 10 Common Desktop, Laptop CPUs

As of 21st of July 2023 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i7-12700K	34,781
AMD Ryzen 7 5800H	21,246
Intel Core i7-11800H @ 2.30GHz	20,861
Intel Core i9-9900K @ 3.60GHz	18,468
AMD Ryzen 5 3600	17,790
Apple M2 8 Core 3500 MHz	15,338
Apple M1 8 Core 3200 MHz	14,099
Apple M1 8 Core 3200 MHz	14,099
Intel Core i7-10750H @ 2.60GHz	12,078
Intel Core i7-9750H @ 2.60GHz	11,011
Intel Core i7-8750H @ 2.20GHz	9,994

CPU Value (CPU Mark / \$Price)

As of 21st of July 2023 - Higher results represent better value

Processor	CPU Mark / \$Price
AMD Ryzen 5 3600	213.08

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Intel Core i7-12700K	85.04
Intel Core i9-9900K @ 3.60GHz	32.69
Intel Core i5-1135G7 @ 2.40GHz	32.17
Intel Core i7-8750H @ 2.20GHz	25.30
Intel Core i7-9750H @ 2.60GHz	11.47
Apple M2 8 Core 3500 MHz	NA
Apple M1 8 Core 3200 MHz	NA
Apple M1 8 Core 3200 MHz	NA
AMD Ryzen 7 5800H	NA

Single Thread Rating

As of 21st of July 2023 - Higher results represent better performance

Processor	Average Thread Rating
Intel Core i7-12700K	4,055
Apple M2 8 Core 3500 MHz	3,984
Apple M1 8 Core 3200 MHz	3,712
Apple M1 8 Core 3200 MHz	3,712
Intel Core i7-11800H @ 2.30GHz	3,107
AMD Ryzen 7 5800H	3,067
Intel Core i9-9900K @ 3.60GHz	2,945
Intel Core i5-1135G7 @ 2.40GHz	2,709
Intel Core i7-10750H @ 2.60GHz	2,686
AMD Ryzen 5 3600	2,569
Intel Core i7-9750H @ 2.60GHz	2,458

Last 5 Baselines for Apple M2 8 Core 3500 MHz

Most recent listed first

Baseline	CPU Mark
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BL5042202 - Jul 21 2023	16370
BL5042149 - Jul 20 2023	15785
BL8065766 - Jul 20 2023	17554
BL5042139 - Jul 20 2023	16342

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

Popular comparisons for Apple M2 8 Core 3500 MHz

As of 21st of July 2023 - Higher results represent better performance

Processor	Average CPU Mark
Apple M2 8 Core 3500 MHz	15,338
Intel Core i3-1220P vs Apple M2 8 Core 3500 MHz	14,495 (-5.5%)
Intel Core i7-1265U vs Apple M2 8 Core 3500 MHz	14,153 (-7.7%)
Intel Core i7-1255U vs Apple M2 8 Core 3500 MHz	13,937 (-9.1%)
Intel Core i5-1235U vs Apple M2 8 Core 3500 MHz	13,631 (-11.1%)
Intel Core i5-1245U vs Apple M2 8 Core 3500 MHz	13,577 (-11.5%)
Apple M1 8 Core 3200 MHz vs Apple M2 8 Core 3500 MHz	14,099 (-8.1%)
Intel Core i7-1260U vs Apple M2 8 Core 3500 MHz	12,911 (-15.8%)
Intel Core i7-1250U vs Apple M2 8 Core 3500 MHz	12,882 (-16.0%)
Snapdragon 8cx Gen 3 @ 3.0 GHz vs Apple M2 8 Core 3500 MHz	11,797 (-23.1%)
Intel Core i7-1260U vs Apple M2 8 Core 3500 MHz	12,911 (-15.8%)
Intel Core i7-1250U vs Apple M2 8 Core 3500 MHz	12,882 (-16.0%)
Intel Core i5-1335U vs Apple M2 8 Core 3500 MHz	18,871 (+23.0%)

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