


CPU Benchmarks


Over 1,000,000 CPUs Benchmarked

Apple M1 Pro 8 Core 3200 MHz

Price and performance details for the Apple M1 Pro 8 Core 3200 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 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

 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

 CPU Mega List

Search Model

 Compare

0

Apple M1 Pro 8 Core 3200 MHz

Description:

Class:Socket:

Desktop, Laptop

Total Cores: 8 Cores, 8 Threads

Primary Cores: 6 Cores, 6 Threads, 3.2 GHz Base, NA Turbo

Secondary Cores: 2 Cores, 2 Threads, 2.1 GHz Base, NA Turbo

Other names: ARM Apple M1 Pro 8 Core 0 MHz

CPU First Seen on Charts: Q4 2021

CPUMark/\$Price: NA


Overall Rank: 402

Last Price Change: NA

CPU Test Suite Average Results for Apple M1 Pro 8 Core 3200 MHz

Integer Math	36,303 MOps/Sec
Floating Point Math	48,717 MOps/Sec
Find Prime Numbers	226 Million Primes/Sec
Random String Sorting	25 Thousand Strings/Sec

Average CPU Mark



17315

Single Thread Rating: 3798

Samples: 392*

*[Margin for error](#): Low

+ COMPARE

★ Common

🏠 CPU Benchmarks ▼

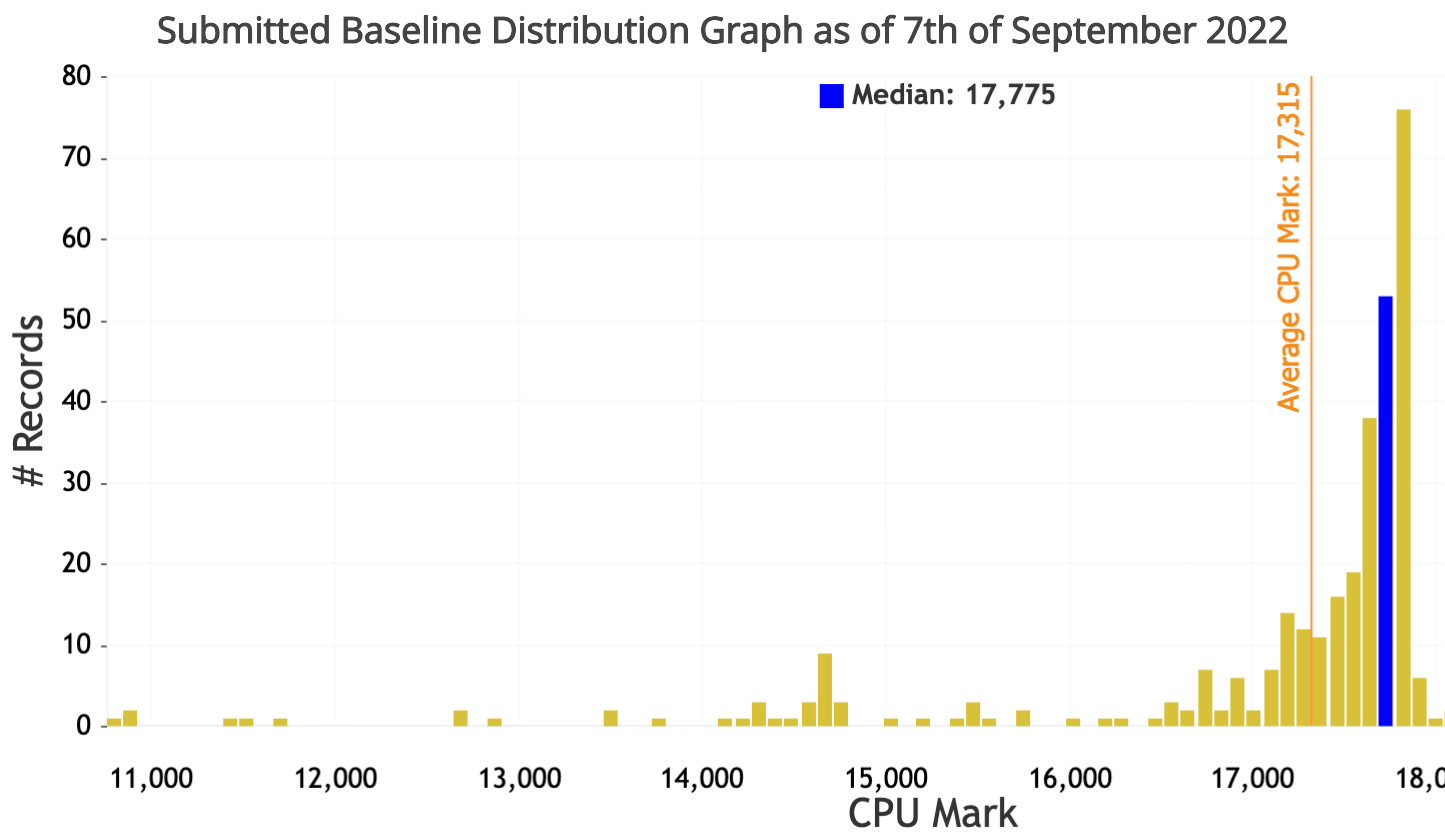
📈 AMD vs Intel Market Share

Year on Year Performance

Data Encryption	9,560 MBytes/Sec
Physics	2,379 Frames/Sec
Extended Instructions	9,109 Million Matrices/Sec
Single Thread	3,798 MOps/Sec

From submitted results to PerformanceTest V10 as of 12th of September 2022.

CPU Mark Distribution for Apple M1 Pro 8 Core 3200 MHz



From submitted results to PerformanceTest V10 as of 7th of September 2022.
For distribution graph only: Results are [trimmed](#) to exclude outliers by disregarding the bottom 1% and top 1% of submissions.

Search for **Apple M1 Pro 8 Core 3200 MHz**
from the Featured Merchants below:

amazon

newegg

ebay

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Machines with this CPU (or similar)

	Apple MacBook Pro 16-inch, Apple M1 Pro chip with 10 cores and 16GB unified memory, 16GB RAM, 512GB SSD) - Space Gray	\$2000.00 (www.amazon.com)
	2020 Apple MacBook Air Laptop: Apple M1 Chip, 13" Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, FaceTime HD Camera, Touch ID. Works with iPhone/iPad; Space Gray	\$989.00 (www.amazon.com)
	Apple MacBook Air with Apple M1 Chip (13-inch, 16GB RAM, 256GB SSD Storage) - Space Gray (Latest Model) Z124000FK	\$1159.93 (www.amazon.com)
	LG Gram 16Z90P Laptop 16" Ultra-Lightweight, (2560 x 1600), Intel Evo 11th gen CORE i7, 16GB RAM, 256GB SSD, Windows 11 Home, 22 Hour Battery, Alexa Built-in, 2X USB-C, HDMI, USB-A - Black	\$1199.99 (www.amazon.com)
	LG Gram 17Z90P Laptop 17" IPS Ultra-Lightweight, (2560 x 1600), Intel Evo 11th gen Core i7, 16GB RAM, 2TB SSD, Upgradeable Windows 10 Home, Alexa Built-in, 2X USB-C, HDMI, USB-A - Black	\$1577.99 (www.amazon.com)

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CPU Mark Relative to Top 10 Common Desktop, Laptop CPUs

As of 12th of September 2022 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 7 5800H	21,362
Intel Core i7-11800H @ 2.30GHz	21,168
Intel Core i9-9900K @ 3.60GHz	18,638
AMD Ryzen 5 3600	17,819
Apple M1 Pro 8 Core 3200 MHz	17,315
Intel Core i7-9700K @ 3.60GHz	14,556
Apple M1 8 Core 3200 MHz	14,485
Apple M1 8 Core 3200 MHz	14,485
Intel Core i7-10750H @ 2.60GHz	12,243
Intel Core i7-9750H @ 2.60GHz	11,151
Intel Core i7-8750H @ 2.20GHz	10,041

CPU Value (CPU Mark / \$Price)

As of 12th of September 2022 - Higher results represent better value

Processor	CPU Mark / \$Price
AMD Ryzen 5 3600	137.09



Intel Core i7-11800H @ 2.30GHz		53.59
-		
Intel Core i9-9900K @ 3.60GHz		32.70
Intel Core i7-8750H @ 2.20GHz		25.42

Intel Core i7-7700HQ @ 2.80GHz		18.45
Intel Core i7-9750H @ 2.60GHz		11.62
Apple M1 Pro 8 Core 3200 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 12th of September 2022 - Higher results represent better performance

Processor	Average Thread Rating
Apple M1 Pro 8 Core 3200 MHz	3,798
Apple M1 8 Core 3200 MHz	3,750
Apple M1 8 Core 3200 MHz	3,750
Intel Core i7-11800H @ 2.30GHz	3,124
AMD Ryzen 7 5800H	3,075
Intel Core i9-9900K @ 3.60GHz	2,953
Intel Core i7-9700K @ 3.60GHz	2,895
Intel Core i7-10750H @ 2.60GHz	2,701
AMD Ryzen 5 3600	2,570
Intel Core i7-9750H @ 2.60GHz	2,474
Intel Core i7-8750H @ 2.20GHz	2,318

Last 5 Baselines for Apple M1 Pro 8 Core 3200 MHz

Most recent listed first

Baseline	CPU Mark
BL5022084 - Sep 12 2022	17773
BL5022046 - Sep 11 2022	17872
BL5022002 - Sep 10 2022	17508
BL5021989 - Sep 10 2022	16950

Popular comparisons for Apple M1 Pro 8 Core 3200 MHz

As of 12th of September 2022 - Higher results represent better performance

Processor	Average CPU Mark
Apple M1 Pro 8 Core 3200 MHz	17,315
Intel Core i7-11800H @ 2.30GHz	21,168
AMD Ryzen 5 5600G	19,832
Intel Core i7-1260P	17,297
Apple M1 8 Core 3200 MHz	14,485
Intel Core i3-12100F	14,389
Intel Core i3-12100	14,382
Intel Core i5-1235U	13,587
Intel Core i5-12500H	21,594
Intel Core i7-1270P	18,595
Intel Core i5-12450H	18,375
Intel Core i5-1250P	18,337
Intel Core i5-1240P	17,335

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