

CPU Benchmarks

Over 1,000,000 CPUs benchmarked

AMD Ryzen 7 4700U

Price and performance details for the AMD Ryzen 7 4700U 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.

CPU

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

Common

Most Benchmarked

AMD vs Intel Market Share

Year on Year Performance

AMD Ryzen 7 4700U

Class: Laptop

Clockspeed: 2.0 GHz

Cores: 8

Threads: 8

TDP Down: 10 W

Socket: FP6

Turbo Speed: 4.1 GHz

Typical TDP: 15 W

TDP Up: 25 W

Average CPU Mark

13585

Single Thread Rating: 2549

Samples: 1096*

*Margin for error: Low

+ COMPARE

Other names: AMD Ryzen 7 4700U with Radeon Graphics

CPU First Seen on Charts: Q2 2020

CPUmark/\$Price: NA

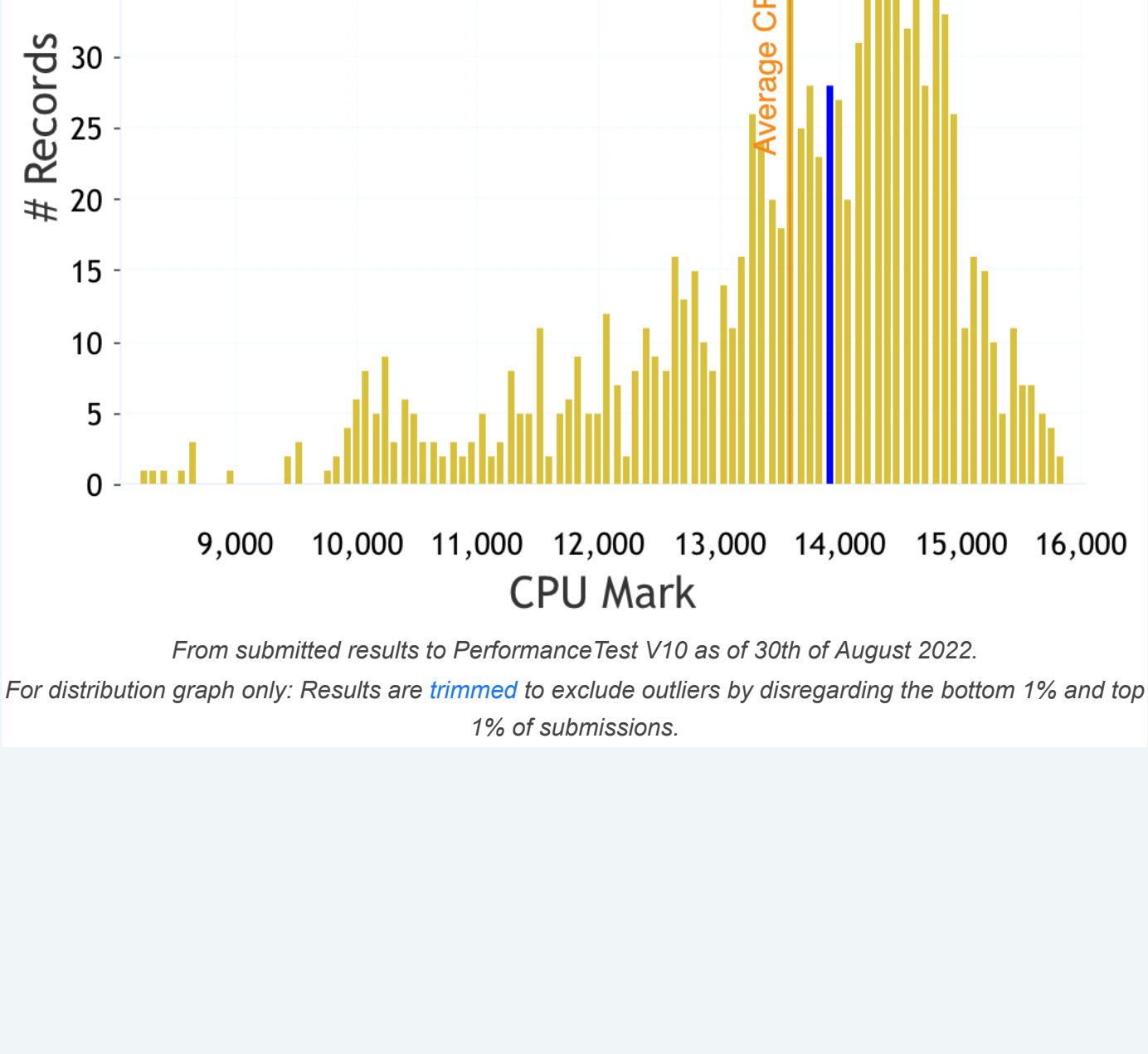
Overall Rank: 547

Last Price Change: NA

CPU Test Suite Average Results for AMD Ryzen 7 4700U

Integer Math	42,977 MOps/Sec
Floating Point Math	29,164 MOps/Sec
Find Prime Numbers	38 Million Primes/Sec
Random String Sorting	19 Thousand Strings/Sec
Data Encryption	8,765 MBytes/Sec
Data Compression	155.2 MBytes/Sec
Physics	601 Frames/Sec
Extended Instructions	13,804 Million Matrices/Sec
Single Thread	2,549 MOps/Sec

From submitted results to PerformanceTest V10 as of 5th of September 2022.



Search for **AMD Ryzen 7 4700U** from the Featured Merchants below:

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

Machines with this CPU (or similar)

	Acer Swift 3 Thin & Light Laptop, 14" Full HD IPS, AMD Ryzen 7 4700U Octa-Core with Radeon Graphics, 8GB LPDDR4, 512GB NVMe SSD, Wi-Fi 6, Backlit KB, Fingerprint Reader, Alexa Built-in	\$669.84 <small>(www.amazon.com)</small>
	Lenovo IdeaPad Flex 5 2-in-1 Laptop, 14" Full HD IPS Touch Screen, AMD Ryzen 7 4700U, Webcam, Backlit Keyboard, Fingerprint Reader, USB-C, HDMI, Windows 10 Home, 16GB RAM, 512GB PCIe SSD	\$714.00 <small>(www.amazon.com)</small>
	HP 15.6" Full HD Touch-Screen Laptop, AMD Ryzen 7 4700U, 8GB Memory, 512GB SSD, Windows 10 Home, Natural Silver	\$554.90 <small>(www.amazon.com)</small>
	ASUS VivoBook 15 S513 Home and Entertainment Laptop (AMD Ryzen 7 4700U 8-Core, 16GB RAM, 1TB m.2 SATA SSD, AMD Radeon Graphics, 15.6" Full HD (1920x1080), Fingerprint, WiFi, Win 10 Pro) with Hub	\$1499.99 <small>(www.amazon.com)</small>
	Lenovo IdeaPad Laptop, 15.6" FHD Display, AMD Ryzen 7 4700U 8-Core Processor (Beats i7-11375H), 20GB RAM, 512GB PCIe SSD, AMD Radeon Graphics, Long Battery Life, Webcam, WiFi, HDMI, Bluetooth, Win 10	\$749.00 <small>(www.amazon.com)</small>

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CPU Mark Relative to Top 10 Common Laptop CPUs

As of 5th of September 2022 - Higher results represent better performance

Processor	Average CPU Mark
Apple M1 Max 10 Core 3200 MHz	22,291
Apple M1 Pro 10 Core 3200 MHz	22,075
AMD Ryzen 7 5800H	21,366
AMD Ryzen 7 4800H	18,961
Apple M1 8 Core 3200 MHz	14,497
AMD Ryzen 7 4700U	13,585
Intel Core i7-10750H @ 2.60GHz	12,248
Intel Core i7-9750H @ 2.60GHz	11,151
Intel Core i7-8750H @ 2.20GHz	10,040
AMD Ryzen 5 3500U	7,073
Intel Core i7-7700HQ @ 2.80GHz	6,975

CPU Value (CPU Mark / \$Price)

As of 5th of September 2022 - Higher results represent better value

Processor	CPU Mark / \$Price
Intel Core i7-8750H @ 2.20GHz	25.42
Intel Core i7-7700HQ @ 2.80GHz	18.45
Intel Core i7-9750H @ 2.60GHz	11.62
AMD Ryzen 7 4700U	NA
Apple M1 8 Core 3200 MHz	NA
Apple M1 Max 10 Core 3200 MHz	NA
Apple M1 Pro 10 Core 3200 MHz	NA
AMD Ryzen 7 5800H	NA
AMD Ryzen 7 4800H	NA
AMD Ryzen 5 3500U	NA
Intel Core i7-10750H @ 2.60GHz	NA

Single Thread Rating

As of 5th of September 2022 - Higher results represent better performance

Processor	Average Thread Rating
Apple M1 Max 10 Core 3200 MHz	3,849
Apple M1 Pro 10 Core 3200 MHz	3,834
Apple M1 8 Core 3200 MHz	3,751
AMD Ryzen 7 5800H	3,075
Intel Core i7-10750H @ 2.60GHz	2,702
AMD Ryzen 7 4800H	2,634
AMD Ryzen 7 4700U	2,549
Intel Core i7-9750H @ 2.60GHz	2,474
Intel Core i7-8750H @ 2.20GHz	2,318
Intel Core i7-7700HQ @ 2.80GHz	2,075
AMD Ryzen 5 3500U	1,975

Last 5 Baselines for AMD Ryzen 7 4700U

Most recent listed first

Baseline	CPU Mark
BL1623500 - Sep 03 2022	11736
BL1623447 - Sep 03 2022	5892
BL1622953 - Sep 02 2022	12361
BL1622661 - Sep 02 2022	13152
BL1621912 - Aug 31 2022	10055

Popular comparisons for AMD Ryzen 7 4700U

As of 5th of September 2022 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 7 4700U	13,585
Intel Core i7-1165G7 @ 2.80GHz	10,485
AMD Ryzen 5 4500U	11,059
AMD Ryzen 5 4600H	14,692
Intel Core i7-10750H @ 2.60GHz	12,248
Intel Core i7-1185G7 @ 3.00GHz	10,789
Apple M1 8 Core 3200 MHz	14,497
AMD Ryzen 5 5500U	13,167
AMD Ryzen 5 PRO 4650U	12,836
Intel Core i7-10850H @ 2.70GHz	12,130
Intel Core i7-11370H @ 3.30GHz	11,942
Intel Core i7-9750H @ 2.60GHz	11,151
Intel Core i5-11300H @ 3.10GHz	11,061