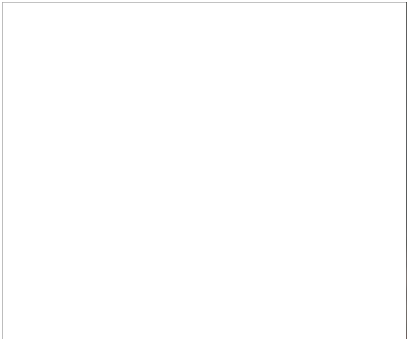




Intel Core i7-13700K

Description: Intel UHD Graphics 770

Class:

Desktop

Socket:

FCLGA1700

Total Cores: 16 Cores, 24 Threads

Performance Cores: 8 Cores, 16 Threads, 3.4 GHz Base, 5.4 GHz Turbo

Efficient Cores: 8 Cores, 8 Threads, 2.5 GHz Base, 4.2 GHz Turbo

Typical TDP:

125 W

TDP Up

: 253 W

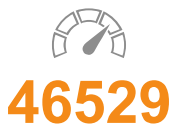
Cache per CPU Package:

L1 Instruction Cache: 8 x 32 KB
L1 Data Cache: 8 x 48 KB
L2 Cache: 8 x 2048 KB
L3 Cache: 30

Cache per Eff. CPU Package:

Eff. L1 Instruction Cache: 8 x 64 KB
Eff. L1 Data Cache: 8 x 32 KB
Eff. L2 Cache: 2 x 4096 KB

Average CPU Mark



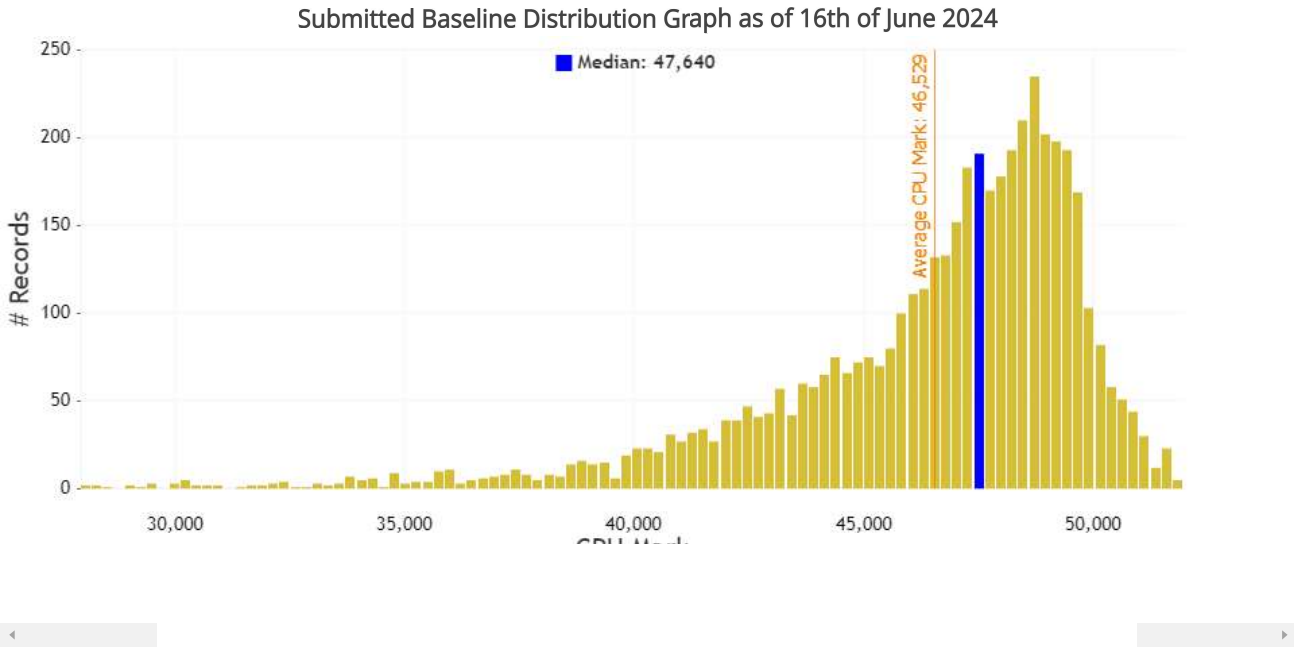
Single Thread Rating: 4364
Samples: 4034*
*Margin for error: Low

+ COMPARE

Data Compression	603,851 KBytes/Sec
Physics	2,760 Frames/Sec
Extended Instructions	37,110 Million Matrices/Sec
Single Thread	4,364 MOps/Sec

From submitted results to PerformanceTest V10 as of 17th of June 2024.

CPU Mark Distribution for Intel Core i7-13700K





Machines with this CPU (or similar)

	Dell OptiPlex 7010 Tower Computer, Intel i7-13700K, 64GB RAM, 2TB NVMe SSD, USB-C, DisplayPort, HDMI, WiFi, Bluetooth, DVDRW, Windows 11 Pro, Black Desktop	\$1049.99 (www.amazon.com)
	Dell XPS 8960 Tower Desktop Computer - 13th Gen Intel Core i7-13700K 16-Core up to 5.40 GHz CPU, 64GB DDR5 RAM, 1TB NVMe SSD + 8TB HDD, GeForce RTX 3050 8GB GDDR6, Killer Wi-Fi 6E, Windows 11 Pro	\$1628.00 (www.amazon.com)
	Dell XPS 8960 Gaming Desktop Computer - 13th Gen Intel Core i7-13700K 16-Core up to 5.40 GHz CPU, 64GB DDR5 RAM, 2TB NVMe SSD, GeForce RTX 3070 8GB GDDR6, Killer Wi-Fi 6E, Windows 11 Pro	\$2018.00 (www.amazon.com)
	Centaurus Polaris 4T7 Gaming PC - Intel i7 13700K 16-Core, GeForce RTX 4070, 32GB DDR5 RAM, 1TB NVMe SSD, Tempered Glass, RGB, WiFi, CPU Liquid Cooler AIO, Windows 11 PRO, Custom Professional Desktop	\$1729.99 (www.amazon.com)
	Del	\$1364.95 (www.amazon.com)

Apple M2 8 Core 3500 MHz		19.969
Apple M1 8 Core 3200 MHz		14.178
CPU Value (CPU Mark / \$Price)		
<i>As of 17th of June 2024 - Higher results represent better value</i>		
Processor	CPU Mark / \$Price	
AMD Ryzen 5 3600		208.95
AMD Ryzen 9 5900X		161.18
AMD Ryzen 5 5600X		158.90
Intel Core i7-13700K		141.00
Intel Core i9-12900K		138.02
Intel Core i9-13900K		129.08
Intel Core i7-12700K		84.66
Intel Core i9-9900K @ 3.60GHz		53.36
Apple M1 8 Core 3200 MHz		NA
Apple M2 8 Core 3500 MHz		NA
Apple M3 8 Core 3800 MHz		NA

Last 5 Baselines for Intel Core i7-13700K

Most recent listed first

Baseline	CPU Mark	
BL2125372 - Jun 17 2024		45591
BL2125118 - Jun 16 2024		42638
BL2125088 - Jun 16 2024		47260
BL2124457 - Jun 15 2024		44421
BL2124334 - Jun 15 2024		48315

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

Popular comparisons for Intel Core i7-13700K

As of 17th of June 2024 - Higher results represent better performance

Processor	Average CPU Mark	
Intel Core i7-13700K		46,529
AMD Ryzen 7 7700X vs Intel Core i7-13700K		35,958 (-22.7%)
AMD F		I (+11.5%)

Processor

Relative [Gaming Score](#)

Intel Core i9-14900KS		9,424
AMD Ryzen 9 7900X3D		9,273
AMD Ryzen 7 7800X3D		9,045
Intel Core i9-13900KS		8,545
AMD Ryzen 9 7950X3D		8,393
Intel Core i9-14900K		8,138
Intel Core i9-14900KF		8,007
AMD Ryzen 5 5600X3D		7,884
Intel Core i9-13900K		7,792
Intel Core i7-14700K		7,543
Intel Core i7-13790F		7,532
Intel Core i7-14700KF		7,524
Intel Core i7-13700K		6,871

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[PC Systems Benchmarks](#)
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