

Bios enabled Turbo 4.6Ghz - R23 score of 15449 (10 min)

3.	10C/16T @ 3.69 GHz, 12th Gen Intel Core i5-12600K	17966*
4.	16C/32T @ 3.4 GHz, AMD Ryzen Threadripper 1950X 16-C	16315
5.	10C/16T @ 3.69 GHz, 12th Gen Intel Core i5-12600K	15449
6.	8C/16T @ 2.3 GHz, Intel Core i9-9880H CPU	9087

Max temp ~83 C

XTU speed optimizer 4.7Ghz - R23 score of 17966 (1 run)

Max temp ~100 C (Tj. Max - also drawing almost 200W)

The screenshot shows the Core Temp 1.17.1 application window. The 'Select CPU' dropdown is set to 'Processor #0'. The 'Core(s)' and 'Thread(s)' are set to 10 and 20 respectively. The 'Processor Information' section displays the following details:

- Model: Intel Core i5 12600K (Alder Lake-S)
- Platform:
- Frequency: 597.79MHz (99.63 x 6.0)
- VID: 0.7080 v
- Modulation:
- Revision:
- Lithography: 10 nm
- CPUID: 0x90672
- TDP: 125.0 Watts

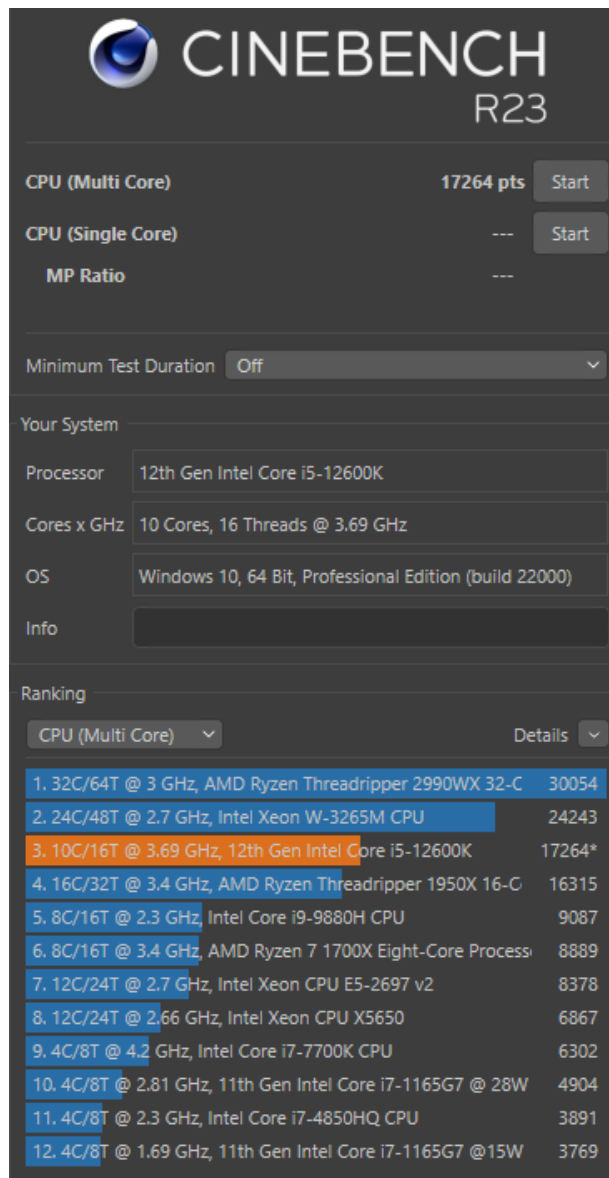
The 'Processor #0: Temperature Readings' section shows a table of temperature and power data for 10 cores:

Power:	9.0W	7.3W	0.0W	1.8W	N/A
Tj. Max:	100°C		Min.	Max.	Load
Core #0:	29°C		0°C	100°C	9%
Core #1:	30°C		0°C	93°C	9%
Core #2:	32°C		0°C	100°C	2%
Core #3:	32°C		0°C	100°C	0%
Core #4:	33°C		0°C	94°C	4%
Core #5:	30°C		28°C	100°C	8%
Core #6:	34°C		31°C	78°C	0%
Core #7:	34°C		31°C	78°C	3%
Core #8:	34°C		30°C	78°C	0%
Core #9:	34°C		30°C	78°C	0%

CPU BRACKET CORRECTION



Bios enabled Turbo 4.6Ghz - R23 score of 17264 (10 min) - max temp ~ 75 C



CINEBENCH R23

CPU (Multi Core) **17264 pts** Start

CPU (Single Core) --- Start

MP Ratio ---

Minimum Test Duration Off

Your System

Processor 12th Gen Intel Core i5-12600K

Cores x GHz 10 Cores, 16 Threads @ 3.69 GHz

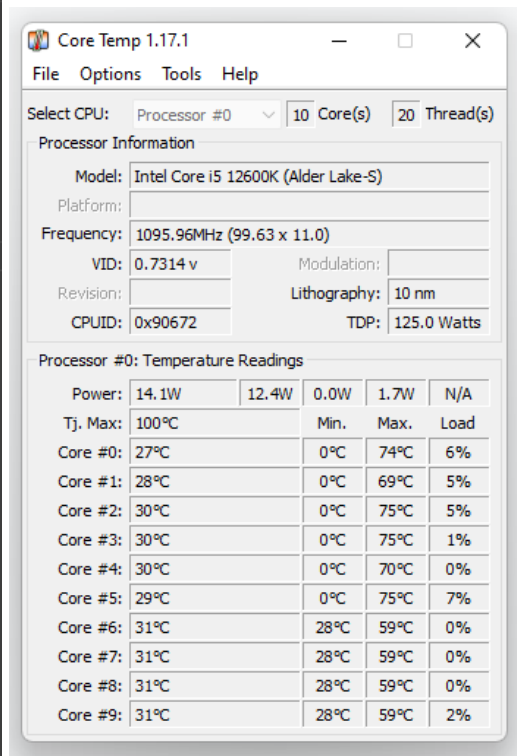
OS Windows 10, 64 Bit, Professional Edition (build 22000)

Info

Ranking

CPU (Multi Core) Details

Rank	CPU	Score
1.	32C/64T @ 3 GHz, AMD Ryzen Threadripper 2990WX 32-C	30054
2.	24C/48T @ 2.7 GHz, Intel Xeon W-3265M CPU	24243
3.	10C/16T @ 3.69 GHz, 12th Gen Intel Core i5-12600K	17264*
4.	16C/32T @ 3.4 GHz, AMD Ryzen Threadripper 1950X 16-C	16315
5.	8C/16T @ 2.3 GHz, Intel Core i9-9880H CPU	9087
6.	8C/16T @ 3.4 GHz, AMD Ryzen 7 1700X Eight-Core Process	8889
7.	12C/24T @ 2.7 GHz, Intel Xeon CPU E5-2697 v2	8378
8.	12C/24T @ 2.66 GHz, Intel Xeon CPU X5650	6867
9.	4C/8T @ 4.2 GHz, Intel Core i7-7700K CPU	6302
10.	4C/8T @ 2.81 GHz, 11th Gen Intel Core i7-1165G7 @ 28W	4904
11.	4C/8T @ 2.3 GHz, Intel Core i7-4850HQ CPU	3891
12.	4C/8T @ 1.69 GHz, 11th Gen Intel Core i7-1165G7 @15W	3769



Core Temp 1.17.1

File Options Tools Help

Select CPU: Processor #0 10 Core(s) 20 Thread(s)

Processor Information

Model: Intel Core i5 12600K (Alder Lake-S)

Platform:

Frequency: 1095.96MHz (99.63 x 11.0)

VID: 0.7314 v Modulation:

Revision: Lithography: 10 nm

CPUID: 0x90672 TDP: 125.0 Watts

Processor #0: Temperature Readings

Power:	14.1W	12.4W	0.0W	1.7W	N/A
Tj. Max:	100°C	Min.	Max.	Load	
Core #0:	27°C	0°C	74°C	6%	
Core #1:	28°C	0°C	69°C	5%	
Core #2:	30°C	0°C	75°C	5%	
Core #3:	30°C	0°C	75°C	1%	
Core #4:	30°C	0°C	70°C	0%	
Core #5:	29°C	0°C	75°C	7%	
Core #6:	31°C	28°C	59°C	0%	
Core #7:	31°C	28°C	59°C	0%	
Core #8:	31°C	28°C	59°C	0%	
Core #9:	31°C	28°C	59°C	2%	

Intel XTU speed optimizer (auto overclocking) 4.7Ghz - R23 score of 17933 (1 run)

Temperatures very comfortable, room for manual overclocking

The image displays two software windows. The left window is CPU-Z, showing system information and a benchmark ranking. The right window is Core Temp, showing detailed processor information and temperature readings for 10 cores.

CPU-Z System Information:

- CPU (Multi Core): 17933 pts [Start]
- CPU (Single Core): --- [Start]
- MP Ratio: ---
- Minimum Test Duration: Off
- Your System:
 - Processor: 12th Gen Intel Core i5-12600K
 - Cores x GHz: 10 Cores, 16 Threads @ 3.69 GHz
 - OS: Windows 10, 64 Bit, Professional Edition (build 22000)
 - Info: [Empty]
- Ranking: CPU (Multi Core) [Details]
 - 1. 32C/64T @ 3 GHz, AMD Ryzen Threadripper 2990WX 32-Core Processor: 30054
 - 2. 24C/48T @ 2.7 GHz, Intel Xeon W-3265M CPU: 24243
 - 3. 10C/16T @ 3.69 GHz, 12th Gen Intel Core i5-12600K: 17933*
 - 4. 16C/32T @ 3.4 GHz, AMD Ryzen Threadripper 1950X 16-Core Processor: 16315
 - 5. 8C/16T @ 2.3 GHz, Intel Core i9-9880H CPU: 9087
 - 6. 8C/16T @ 3.4 GHz, AMD Ryzen 7 1700X Eight-Core Processor: 8889
 - 7. 12C/24T @ 2.7 GHz, Intel Xeon CPU E5-2697 v2: 8378

Core Temp 1.17.1 Processor Information:

- Select CPU: Processor #0 [10 Core(s) 20 Thread(s)]
- Processor Information:
 - Model: Intel Core i5 12600K (Alder Lake-S)
 - Platform: [Empty]
 - Frequency: 1693.75MHz (99.63 x 17.0)
 - VID: 0.8014 v Modulation: [Empty]
 - Revision: [Empty] Lithography: 10 nm
 - CPUID: 0x90672 TDP: 125.0 Watts
- Processor #0: Temperature Readings

Power:	13.9W	12.2W	0.0W	1.7W	N/A
Tj. Max:	100°C	Min.	Max.	Load	
Core #0:	28°C	25°C	86°C	3%	
Core #1:	30°C	0°C	78°C	4%	
Core #2:	30°C	28°C	86°C	5%	
Core #3:	32°C	28°C	86°C	5%	
Core #4:	33°C	27°C	79°C	8%	
Core #5:	29°C	26°C	86°C	6%	
Core #6:	32°C	29°C	66°C	1%	
Core #7:	32°C	29°C	66°C	5%	
Core #8:	32°C	29°C	66°C	0%	
Core #9:	32°C	29°C	66°C	1%	