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a cura di: Gian Paolo Collalto - giampa - 06-03-2018 22:30

## Ryzen 7 2700X, ecco i primi benchmark ...

# AMD

**LINK (<https://www.nexthardware.com/news/processor-chipset/8436/ryzen-7-2700x-ecco-i-primi-benchmark-.htm>)**

Una frequenza massima di 4.35GHz e prestazioni davvero interessanti.



I primi benchmark sulle prestazioni della seconda generazione delle CPU AMD Ryzen 7 sono stati resi pubblici da HWBattle, da sempre tra i primi a rilasciare questo tipo di informazioni man mano che i suoi ragazzi riescono a mettere le mani su qualche Engineering sample.

Processors - SiSoftware Sandra

Information about your computer's CPU(s), FPU(s), APU(s), IMC and other related devices.

Processor: Unit 1 [Package 0, Core 0, Thread 0]

Parameter	Value
Processor	
Manufacturer	AMD
Model	AMD Ryzen: ██████████
Speed	4.34GHz
Min/Max/Turbo Speed	2.2GHz - 3.7GHz - 4.35GHz
Invariant Speed	3.7GHz
Peak Processing Performance (PPP)	139.2GFLOPS
Adjusted Peak Performance (APP)	41.76WG
Cores per Processor	8 Unit(s)
Cores per Compute Unit	2 Unit(s)
Bus	Global Memory Interconnect (xGMI)
Socket/Slot	AM4 (PGA1331)
Multiplier	348/8x
Min/Max/Turbo Multiplier	22x - 37x - 348/8x
Front Side Bus Speed	100MHz
Generation	8 / 35 / 0
Revision/Stepping	8 / 2
Microcode	██████████
Core Voltage Rating	1.250V
Min/Max Core Voltage	0.787V - 1.200V - 1.250V
Min/Max Core Current	2.200A - 3.700A
Maximum Physical / Virtual Addressing	48-bit / 48-bit
Native Page Size	4kB
Large Page Size	2MB
Part Number	██████████
Asset Tag	██████████
Serial Number	██████████
Co-Processor (FPU)	
Speed	4.34GHz
Type	Integrated
Revision/Stepping	8 / 2
Memory Controller	
Model	AMD F17 (Ryzen/ThreadRipper) Host Bridge
Speed	1.33GHz
Min/Max/Turbo Speed	667MHz - 1.33GHz
Multiplier	40/3x
Min/Max/Turbo Multiplier	40/6x - 40/3x
Core Voltage Rating	1.550V

Hardware Battle



AIDA64 Cache & Memory Benchmark

	Read	Write	Copy	Latency
Memory	40516 MB/s	39396 MB/s	37382 MB/s	85.7 ns
L1 Cache	991.16 GB/s	497.31 GB/s	991.04 GB/s	1.0 ns
L2 Cache	939.01 GB/s	484.00 GB/s	834.75 GB/s	4.3 ns
L3 Cache	414.10 GB/s	418.49 GB/s	479.23 GB/s	11.2 ns

CPU Type: OctaCore AMD Ryzen 7 1700X (Summit Ridge, Socket AM4)

CPU Stepping: ZP-B1

CPU Clock: 3991.4 MHz

CPU FSB: 99.8 MHz (original: 100 MHz)

CPU Multiplier: 40x

Memory Bus: 1330.5 MHz

Memory Type: Dual Channel DDR4-2661 SDRAM (16-16-16-36 CR1)

Chipset: AMD X370, AMD Taishan, AMD K17 IMC

Motherboard: ASRock X370 Gaming-ITX/ac

BIOS Version: P4.40 (AGESA: PinnaclePI-AM4 1.0.0.0)

AIDA64 v5.95.4531 Beta / BenchDLL 4.3.770-x64 (c) 1995-2018 FinalWire Ltd.

AIDA64 Cache & Memory Benchmark

	Read	Write	Copy	Latency
Memory	40656 MB/s	39612 MB/s	37332 MB/s	76.4 ns
L1 Cache	991.70 GB/s	497.36 GB/s	991.05 GB/s	1.0 ns
L2 Cache	965.43 GB/s	483.82 GB/s	920.03 GB/s	3.0 ns
L3 Cache	412.63 GB/s	408.12 GB/s	397.46 GB/s	9.4 ns

CPU Type: OctaCore AMD Ryzen ██████████, Socket AM4

CPU Stepping: ██████████

CPU Clock: 3991.2 MHz

CPU FSB: 99.8 MHz (original: 100 MHz)

CPU Multiplier: 40x

Memory Bus: 1330.4 MHz

Memory Type: Dual Channel DDR4-2661 SDRAM (16-16-16-36 CR1)

Chipset: AMD X370, AMD Taishan, AMD K17 IMC

Motherboard: ASRock X370 Gaming-ITX/ac

BIOS Version: P4.40 (AGESA: PinnaclePI-AM4 1.0.0.0)

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Testato su una ASRock X370 Gaming ITX/ac, sicuramente con un BIOS aggiornato ma non del tutto maturo, il supposto Ryzen 7 2700X è stato messo a confronto in alcuni benchmark sia con l'attuale Ryzen 7 1700X che con tutte le CPU di punta delle rispettive famiglie di appartenenza AMD ed Intel, HEDT comprese.

