

“Fastest” CPU

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AMD FX-8370

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- Sunnyvale, California 9/2/2014
- AMD FX-8370 Claims New World Record for silicon processor speed
- Operates **8722.78MHz**, overclocked
- 'Piledriver' X86 core architecture
- Designed at turbo frequency 4.3GHz, TDP 125W


Data from HWBOT.org

CPU-Z - ID : vytt61

CPU | Caches | Mainboard | Memory | SPD | Graphics | About

Processor

Name	AMD FX		
Code Name	Vishera	Max TDP	125 W
Package	Socket AM3+ (942)		
Technology	32 nm	Core Voltage	2.004 V



Specification

AMD FX-8370 Eight-Core Processor

Family	F	Model	2	Stepping	0
Ext. Family	15	Ext. Model	2	Revision	OR-C0

Instructions MMX, SSE, SSE2, SSE3, SSSE3, SSE4.1, SSE4.2, SSE4A, x86-64, AMD-V, AES, AVX, XOP, FMA3, FMA4

Clocks (Core #0)

Core Speed	8722.78 MHz
Multiplier	x 31.5 (7 - 31.5)
Bus Speed	276.91 MHz
QPI Link	2769.14 MHz

Cache

L1 Data	8 x 16 KBytes	4-way
L1 Inst.	4 x 64 KBytes	2-way
Level 2	4 x 2048 KBytes	16-way
Level 3	8192 KBytes	64-way

Selection: Processor #1 | Cores: 8 | Threads: 8

CPU-Z Version 1.70 | Validate | OK

AMD good at frequency

- First 5G desktop processor FX-9590
- Hold word record 8343.92Mhz
- “enable an unrivaled enthusiast PC experience
– extreme multi-display gaming and HD content creation”

Energy and heat problem





- Liquid Cooling System
- Pre-filled, maintenance-free liquid cooling system
- UltraFine Micro Channel cold plate optimizes liquid flow and heat dissipation
- Durable and powerful liquid pump – dissipates heat effectively and helps maintain even temperatures through stable liquid circulation
- Large aluminum radiator with a wide RPM range PWM fan creates a superb balance between cooling efficiency and noise