

AMD A8-Series A8-5500

General information

Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD A8-Series
Model number	A8-5500
CPU part number	A8-5500 is an OEM/tray microprocessor
Frequency	3200 MHz
Turbo frequency	3700 MHz
Package	904-pin lidded micro-PGA package
Socket	Socket FM2
Size	1.57" x 1.57" / 4cm x 4cm
Introduction date	July 2012

Architecture / Microarchitecture

Microarchitecture	Bulldozer (Piledriver)
Platform	Virgo
Processor core	Trinity
Manufacturing process	0.032 micron 1303 million transistors
Die size	246mm ²
Data width	64 bit
The number of cores	4
The number of threads	4
Floating Point Unit	Integrated
Level 1 cache size	2 x 64 KB shared instruction caches 4 x 16 KB data caches
Level 2 cache size	4 MB
Multiprocessing	Uniprocessor
Features	MMX SSE SSE2 SSE3 SSE4 SSE4a AES instructions Advanced Bit Manipulation Advanced Vector Extensions AVX 1.1 AMD64 technology Virtualization technology Enhanced Virus Protection Turbo Core 3.0 technology
Low power features	PowerNow!
On-chip peripherals	Dual-channel DDR3 memory controller PCI Express 2.0 HD graphics controller HD Media Accelerator

Electrical/Thermal parameters

Thermal Design Power	65 Watt
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Notes on AMD A8-5500

Integrated Radeon HD 7560D GPU runs at 760 MHz and has 256 Radeon cores
The fastest supported memory is DDR3-1866