AMD Athlon 64 X2 6000+ (3 GHz, 89W) specifications

General information	
Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Athlon 64 X2
Model number	**6000+**
CPU part numbers	**ADA6000IAA6CZ** is an OEM/tray microprocessor • **ADA6000CZBOX** is a boxed microprocessor with fan and heatsink
Stepping code	CCB8F
Frequency	**6000+ (rated)** **3000 MHz (real)**
Bus speed	**One 1000 MHz 16-bit HyperTransport link (2GT/s)**
Clock multiplier	**15**
Package	940-pin organic micro Pin Grid Array (micro-PGA)
Socket	**Socket AM2**
Introduction date	2nd quarter 2008 [1]
Architecture / Microarchitecture	
Microarchitecture	K8
Processor core	Windsor
Core stepping	JH-F3
CPUID	40F33
Manufacturing process	0.09 micron silicon-on-insulator (SOI) technology 243 million transistors
Data width	**64 bit**
The number of CPU cores	**2**
The number of threads	**2**
Floating Point Unit	Integrated
Level 1 cache size	2 x 64 KB 2-way set associative instruction caches 2 x 64 KB 2-way set associative data caches
Level 2 cache size	**2 x 1 MB 16-way set associative exclusive caches**
Physical memory	1 TB
Virtual memory	256 TB
Multiprocessing	Uniprocessor
Extensions and Technologies	• MMX instructions • Extensions to MMX • 3DNow! technology • Extensions to 3DNow! • SSE / Streaming SIMD Extensions • SSE2 / Streaming SIMD Extensions 2 • SSE3 / Streaming SIMD Extensions 3 • AMD64 / AMD 64-bit technology • EVP / Enhanced Virus Protection • AMD-V / AMD Virtualization technology
Low power features	• Cool'n'Quiet technology • Halt state • Stop Grant state
Integrated peripherals / components	
Integrated graphics	None
Memory controller	The number of controllers: 1 Memory channels: 2 Supported memory: DDR2-800 Maximum memory bandwidth (GB/s): 12.8
Other peripherals	HyperTransport 2.0 technology (1 link)
Electrical / Thermal parameters	

Thermal Design Power	**89 Watt**

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[1] - Information is not confirmed