

AMD Sempron X2 2300 specifications

General information

Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Sempron X2
Model number ?	2300
CPU part numbers	SDO2300IAA4DO is an OEM/tray microprocessor <ul style="list-style-type: none">SDO2300DOBOX is a boxed microprocessor with fan and heatsink
Frequency ?	2200 MHz
Bus speed ?	Dual-channel 333? MHz DDR2 SDRAM Memory controller One 800 MHz 16-bit HyperTransport link
Clock multiplier ?	11
Package	940-pin lidded microPGA
Socket	Socket AM2
Architecture / Microarchitecture	
Microarchitecture	K8
Core stepping ?	G2
Manufacturing process	0.065 micron
Data width	64 bit
The number of CPU cores	2
The number of threads	2
Floating Point Unit	Integrated
Level 1 cache size ?	64 KB 2-way associative code cache 64 KB 2-way associative data cache
Level 2 cache size ?	2 x 256 KB caches
Multiprocessing	Uniprocessor
Extensions and Technologies	<ul style="list-style-type: none">MMX instructions3DNow! technologySSE / Streaming SIMD ExtensionsSSE2 / Streaming SIMD Extensions 2SSE3 / Streaming SIMD Extensions 3AMD64 / AMD 64-bit technology ?EVP / Enhanced Virus Protection ?
Integrated peripherals / components	
Integrated graphics	None
Memory controller	The number of controllers: 1 Memory channels: 2 Supported memory: DDR2
Other peripherals	HyperTransport technology ?
Electrical / Thermal parameters	
Thermal Design Power ?	65 Watt