

AMD Athlon X2 7750 (BE) specifications

General information

Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Athlon X2
Model number ?	7750
CPU part numbers	AD775ZWCJ2BGH is an OEM/tray microprocessor <ul style="list-style-type: none">AD775ZWCGHBOX is a boxed microprocessor with fan and heatsink
Stepping codes	JAAAB AA JAAPB AA JAARB AA
Frequency ?	2700 MHz
Bus speed ?	One 1800 MHz 16-bit HyperTransport link (3.6 GT/s)
Clock multiplier ?	13.5
Package	940-pin organic microPGA
Sockets	Socket AM2 Socket AM2+
Weight	1.4oz / 39.2g
Introduction date	Dec 14, 2008
Price at introduction	\$79

Architecture / Microarchitecture

Microarchitecture	K10
Platform	Cartwheel
Processor core ?	Kuma
Core stepping ?	DR-B3
CPUID	100F23
Manufacturing process	0.065 micron silicon-on-insulator (SOI) technology 450 million transistors
Die	285mm ²
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 512 KB 16-way set associative caches
Level 3 cache size	Shared 2 MB 32-way set associative cache
Multiprocessing	Uniprocessor
Extensions and Technologies	<ul style="list-style-type: none">MMX instructionsExtensions to MMX3DNow! technologyExtensions to 3DNow!SSE / Streaming SIMD ExtensionsSSE2 / Streaming SIMD Extensions 2SSE3 / Streaming SIMD Extensions 3SSE4a ?AMD64 / AMD 64-bit technology ?EVP / Enhanced Virus Protection ?AMD-V / AMD Virtualization technology
Low power features	<ul style="list-style-type: none">Cool'n'Quiet 2.0CoolCore technology ?Independent Dynamic Core Technology ?Dual Dynamic Power Management ?

Integrated peripherals / components

Integrated graphics	None
Memory controller	The number of controllers: 1

Memory channels: 2
Channel width (bits): 64
Supported memory: DDR2-1066
Maximum memory bandwidth (GB/s): 17.1
HyperTransport 3.0 technology

Other peripherals

Electrical / Thermal parameters

V core [?](#) 1.05V - 1.325V

Maximum operating temperature [?](#) 73°C

Thermal Design Power [?](#) **95 Watt**

Notes on AMD Athlon X2 7750 (BE)

- The processor has unlocked multiplier