

## AMD Athlon II X4 630 (rev. C2) specifications

### General information

Type	<a href="#">CPU / Microprocessor</a>
Market segment	Desktop
Family	<a href="#">AMD Athlon II X4</a>
Model number <span>?</span>	<a href="#">630</a>
CPU part numbers	ADX630WFK42GI is an OEM/tray microprocessor <ul style="list-style-type: none"><li>• ADX630WFGIBOX is a boxed microprocessor with fan and heatsink</li></ul>
Stepping codes	<a href="#">AADACAD</a> <a href="#">CADACAD</a>
Frequency <span>?</span>	<b>2800 MHz</b>
Bus speed <span>?</span>	<b>667 MHz Memory controller</b> <b>One 2000 MHz 16-bit HyperTransport link</b>
Clock multiplier <span>?</span>	<b>14</b>
Package	938-pin organic micro-PGA
Sockets	<b>Socket AM2+</b> <b>Socket AM3</b>
Introduction date	<a href="#">Sep 16, 2009</a>
Price at introduction	\$122
<b>Architecture / Microarchitecture</b>	
Microarchitecture	K10
Processor core <span>?</span>	<a href="#">Propus</a>
Core stepping <span>?</span>	BL-C2
CPUID	100F52
Manufacturing process	0.045 micron silicon-on-insulator (SOI) technology
Die	169mm <sup>2</sup>
<b>Data width</b>	<b>64 bit</b>
<b>The number of CPU cores</b>	<b>4</b>
<b>The number of threads</b>	<b>4</b>
Floating Point Unit	Integrated
Level 1 cache size <span>?</span>	4 x 64 KB 2-way set associative instruction caches 4 x 64 KB 2-way set associative data caches
<b>Level 2 cache size <span>?</span></b>	<b>4 x 512 KB 16-way set associative caches</b>
<b>Level 3 cache size</b>	<b>None</b>
Multiprocessing	Uniprocessor
Extensions and Technologies	<ul style="list-style-type: none"><li>• MMX instructions</li><li>• Extensions to MMX</li><li>• 3DNow! technology</li><li>• Extensions to 3DNow!</li><li>• SSE / Streaming SIMD Extensions</li><li>• SSE2 / Streaming SIMD Extensions 2</li><li>• SSE3 / Streaming SIMD Extensions 3</li><li>• SSE4a <span>?</span></li><li>• AMD64 / AMD 64-bit technology <span>?</span></li><li>• AMD-V / AMD Virtualization technology</li><li>• EVP / Enhanced Virus Protection <span>?</span></li></ul>
Low power features	<ul style="list-style-type: none"><li>• Cool'n'Quiet 3.0</li><li>• CoolCore Technology <span>?</span></li><li>• Dual Dynamic Power Management <span>?</span></li><li>• Core C1 and C1E states</li><li>• Package S0, S1, S3, S4 and S5 states</li></ul>
<b>Integrated peripherals / components</b>	
Integrated graphics	None
Memory controller	The number of controllers: 1 Memory channels: 2

Channel width (bits): 72  
Supported memory: DDR2-1066, DDR3-1333  
DIMMs per channel: up to 2  
Maximum memory bandwidth (GB/s): 21.3  
HyperTransport 3 technology

Other peripherals

**Electrical / Thermal parameters**

V core [?](#) 0.9V - 1.425V

Maximum operating temperature [?](#) 55°C - 71°C

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