

## AMD Athlon II 170u specifications

### General information

Type	<a href="#">CPU / Microprocessor</a>
Market segment	Desktop
Family	<a href="#">AMD Athlon II</a>
Model number <a href="#">?</a>	<a href="#">170u</a>
CPU part number	<ul style="list-style-type: none"><li>AD170UEAK13GM is an OEM/tray microprocessor</li></ul>
Stepping codes	<a href="#">NAEGC AE</a> <a href="#">NAEKC AE</a>
Frequency <a href="#">?</a>	2000 MHz
Bus speed <a href="#">?</a>	One 1800 MHz 16-bit HyperTransport link
Clock multiplier <a href="#">?</a>	10
Package	938-pin organic micro-PGA
AMD Package number	30412
Sockets	Socket AM2+ Socket AM3
Weight	1.4oz / 39.3g

### Architecture / Microarchitecture

Microarchitecture	K10
Processor core <a href="#">?</a>	<a href="#">Sargas</a>
Core stepping <a href="#">?</a>	DA-C3
CPUID	100F63
Manufacturing process	0.045 micron
Data width	64 bit
The number of CPU cores	1
The number of threads	1
Floating Point Unit	Integrated
Level 1 cache size <a href="#">?</a>	64 KB 2-way set associative instruction cache 64 KB 2-way set associative data cache
Level 2 cache size <a href="#">?</a>	1 MB 16-way set associative cache
Level 3 cache size	None
Cache latency	3 (L1 cache) 15 (L2 cache)
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 <a href="#">?</a></li><li>AMD64 / AMD 64-bit technology <a href="#">?</a></li><li>AMD-V / AMD Virtualization technology</li><li>EVP / Enhanced Virus Protection <a href="#">?</a></li></ul>
Low power features	Cool'n'Quiet 3.0

### Integrated peripherals / components

Integrated graphics	None
Memory controller	The number of controllers: 1 Memory channels: 2 Supported memory: DDR2, DDR3
Other peripherals	HyperTransport 3 technology

### Electrical / Thermal parameters

V core <a href="#">?</a>	0.875V - 1.225V
Maximum operating temperature <a href="#">?</a>	55°C - 80°C

**Thermal Design Power** ?

**20 Watt**