

General information

Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Athlon 64
Model number ?	LE-1620
CPU part numbers	ADH1620IAA5DH is an OEM/tray microprocessor <ul style="list-style-type: none">ADH1620DHBOX is a boxed microprocessor with fan and heatsink
Stepping code	CCB8F
Frequency ?	2400 MHz
Bus speed ?	One 1000 MHz 16-bit HyperTransport link (2 GT/s)
Clock multiplier ?	12
Package	940-pin organic micro Pin Grid Array (micro-PGA)
Socket	Socket AM2
Architecture / Microarchitecture	
Microarchitecture	K8
Processor core ?	Orleans
Core stepping ?	DH-F3
CPUID	50FF3
Manufacturing process	0.09 micron silicon-on-insulator (SOI) technology
Data width	64 bit
The number of CPU cores	1
The number of threads	1
Floating Point Unit	Integrated
Level 1 cache size ?	64 KB 2-way set associative instruction cache 64 KB 2-way set associative data cache
Level 2 cache size ?	1 MB 16-way set associative exclusive cache
Physical memory	1 TB
Virtual memory	256 TB
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 3AMD64 / 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 technologyHalt stateStop 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	
V core ?	1.25V / 1.35V / 1.4V
Maximum operating temperature ?	55°C - 69°C
Thermal Design Power ?	45 Watt

Notes on AMD Athlon 64 LE-1620

- The Athlon 64 LE-1620 is comparable to Athlon 64 4000+ processor