

AMD Sempron LE-1150 specifications

General information

Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Sempron
Model number ?	LE-1150
CPU part numbers	SDH1150IAA3DE is an OEM/tray microprocessor <ul style="list-style-type: none">SDH1150DEBOX is a boxed microprocessor with fan and heatsink
Stepping code	CAAOG
Frequency ?	2000 MHz
Bus speed ?	Dual-channel 333 MHz DDR2 SDRAM Memory controller One 800 MHz 16-bit HyperTransport link (1.6 GT/s)
Package	940-pin lidded micro Pin Grid Array (micro-PGA)
Socket	Socket AM2
End-of-Life date	Last order date is end of 1st quarter 2008

Architecture / Microarchitecture

Microarchitecture	K8
Processor core ?	Sparta
Core stepping ?	DH-G1
CPUID	70FF1
Manufacturing process	0.065 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 ?	256 KB 16-way set associative exclusive 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 3AMD64 / AMD 64-bit technology ?EVP / Enhanced Virus Protection ?
Low power features	PowerNow!

Integrated peripherals / components

Integrated graphics	None
Memory controller	The number of controllers: 1 Memory channels: 2 Supported memory: DDR2-667 Maximum memory bandwidth (GB/s): 10.7
Other peripherals	HyperTransport 1.0 technology

Electrical / Thermal parameters

V core ?	1.25V / 1.3V / 1.35V
Maximum operating temperature ?	61°C - 75°C
Thermal Design Power ?	45 Watt

Notes on AMD Sempron LE-1150

- Processor supports x86-64 (64-bit) mode
- One source claims the CPU supports DDR2-800 memory
- AMD lists this CPU with SDH1150DPBOX box part number

