

AMD Phenom X4 9850 Black Edition

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AMD meluncurkan processor Quad Core Generasi terbaru, yang merupakan penyempurnaan dari seri Quad Core sebelumnya.

Gosip adanya Bug pada processor Phenom seri sebelumnya diperbaiki dalam seri ini.

Spesifikasi :

Model
CPU

Freq.
MC & HT(x2)

Freq.
Max

TDP
Core

Count
Silicon

Revision

X4 9850

Black Edition

2.5GHz

2.0GHz

125W

4

B3

X4 9750

2.4GHz

1.8GHz

125W

4

B3

95W

X4 9650
2.3GHz
1.8GHz
95W
4
B3

X4 9550
2.2GHz
1.8GHz
95W
4
B3

X4 9100e
1.8GHz
1.6GHz
65W
4
B2

X3 8600
2.3GHz
1.8GHz
95W
3
B2

X3 8400
2.1GHz
1.8GHz
95W
3
B2

Seri Phenom X4 9850 ini menggunakan Rev B3

AMD Phenom X4 9850 processor TECH SPECS:

Processor Frequency: 2.5GHz

L1 Cache Sizes: 64K of L1 instruction and 64K of L1 data cache per core (512KB total L1 per processor)

L2 Cache Sizes: 512KB of L2 data cache per core (2MB total L2 per processor)

L3 Cache Size: 2MB

Memory Controller Type: Integrated 128-bit wide memory controller *

Memory Controller Speed: Up to 2.0GHz with Dual Dynamic Power Management

Types of Memory Supported: Support for unregistered DIMMs up to PC2 8500 (DDR2-1066MHz)

HyperTransport 3.0: One 16-bit/16-bit link @ up to 4.0GHz full duplex (2.0GHz x2)

Total Processor Bandwidth: Up to 33.1 GB/s bandwidth

Packaging: Socket AM2+ 940-pin organic micro pin grid array (micro-PGA)

Fab location: AMD's Fab 36 wafer fabrication facilities in Dresden, Germany

Process Technology: 65-nanometer DSL SOI (silicon-on-insulator) technology

Approximate Transistor count: ~ 450 million (65nm)

Approximate Die Size: 285 mm² (65nm)

Max Ambient Case Temp: 61o Celsius

Nominal Voltage: 1.2-1.3 Volts

Max TDP: 125 Watts

Benchmarking Result :

Synthetic Benchmark

Real Game Benchmark:

Source : AMDZone