

# AMD FX-8370 4.0 GHz

## General information

- Type CPU / Microprocessor
- Market segment Desktop
- Family AMD FX-Series
- Model number ? FX-8370
- Frequency ? 4000 MHz
- Turbo frequency 4300 MHz
- Package 938-pin micro-PGA package
- Socket Socket AM3+

## Architecture / Microarchitecture

- Microarchitecture Piledriver
- Platform Volan
- Processor core ? Vishera
- Core stepping ? OR-C0
- CPUID 600F20
- Manufacturing process 0.032 micron
- Data width 64 bit
- The number of cores 8
- The number of threads 8
- Floating Point Unit Integrated
- Level 1 cache size ?
  - 4 x 64 KB shared instruction caches
  - 8 x 16 KB data caches
- Level 2 cache size ? 4 x 2 MB shared exclusive caches
- Level 3 cache size 8 MB shared cache
- Multiprocessing Uniprocessor
- Features
- MMX instructions
  - SSE / Streaming SIMD Extensions
  - SSE2 / Streaming SIMD Extensions 2
  - SSE3 / Streaming SIMD Extensions 3
  - SSSE3 / Supplemental Streaming SIMD Extensions 3
  - SSE4 / SSE4.1 + SSE4.2 / Streaming SIMD Extensions 4 ?
  - SSE4a ?
  - AES / Advanced Encryption Standard instructions

- ABM / Advanced Bit Manipulation ?
- AVX / Advanced Vector Extensions
- BMI1 / Bit Manipulation instructions 1
- FMA3 / 3-operand Fused Multiply-Add instructions
- FMA4 / 4-operand Fused Multiply-Add instructions
- F16C / 16-bit Floating-Point conversion instructions
- TBM / Trailing Bit Manipulation instructions
- XOP / eXtended Operations instructions
- AMD64 / AMD 64-bit technology ?
- VT / Virtualization technology ?
- EVP / Enhanced Virus Protection ?
- Turbo Core 3.0 technology
- Low power features PowerNow!
- Integrated peripherals / components
- Integrated graphics None
- Memory controller
  - The number of controllers: 1
  - Memory channels: 2
  - Supported memory: DDR3-1866
  - Maximum memory bandwidth (GB/s): 29.9
- Other peripherals HyperTransport technology ?
- Electrical / Thermal parameters
  - Thermal Design Power ? 125 Watt
- Notes on AMD FX-8370
  - The processor has unlocked clock multiplier

## **Wraith Cooler**

- Sistema silencioso  
El sonido oscila en los 39 dbA, el procesador AMD Wraith Cooler es prácticamente inaudible cuando se instala en su Equipo
- Estilo Supernatural  
Con la iluminación a contraluz y una atractiva cubierta del ventilador, todos los entusiastas de la PC puede estar orgulloso de mostrar la AMD Wraith Cooler más fresco en su sistema.
- Mejorada y aumentada  
Con 24% más de superficie de enfriamiento, empujando 34% más de flujo de aire del ventilador, y generar menos de una décima parte el ruido de su predecesor, AMD Wraith Cooler cuenta con hardware formidable con una impresionante performance.<sup>1,2,3</sup> acústica