



Intel® Core™2 Extreme Processor QX9770

12M Cache, 3.20 GHz, 1600 MHz FSB

Essentials

- Product Collection [Legacy Intel® Core™ Processors](#)
- Code Name [Products formerly Yorkfield](#)
- Vertical Segment Desktop
- Processor Number QX9770
- Status Discontinued
- Launch Date Q1'08
- Lithography 45 nm
- Recommended Customer Price N/A

Performance

- # of Cores 4
- Processor Base Frequency 3.20 GHz
- Cache 12 MB L2
- Bus Speed 1600 MHz FSB
- FSB Parity No
- TDP 136 W
- VID Voltage Range 0.8500V-1.3625V

Supplemental Information

- Embedded Options Available No
- Datasheet [View now](#)

Package Specifications

- Sockets Supported LGA775
- T_{CASE} 55.5°C
- Package Size 37.5mm x 37.5mm
- Processing Die Size 214 mm²
- # of Processing Die Transistors 820 million

Advanced Technologies

- Intel® Turbo Boost Technology † No
- Intel® Hyper-Threading Technology † No
- Intel® Virtualization Technology (VT-x) † Yes
- Intel® 64 † Yes
- Instruction Set 64-bit
- Idle States Yes

- Enhanced Intel SpeedStep® Technology Yes
- Intel® Demand Based Switching No
- Thermal Monitoring Technologies Yes

Security & Reliability

- Intel® AES New Instructions No
- Intel® Trusted Execution Technology † No
- Execute Disable Bit † Yes