



Intel® Core™2 Extreme Processor QX6800

8M Cache, 2.93 GHz, 1066 MHz FSB

Essentials

- Product Collection [Legacy Intel® Core™ Processors](#)
- Code Name [Products formerly Kentsfield](#)
- Vertical Segment Desktop
- Processor Number QX6800
- Status Discontinued
- Launch Date Q2'07
- Lithography 65 nm
- Recommended Customer Price N/A

Performance

- # of Cores 4
- Processor Base Frequency 2.93 GHz
- Cache 8 MB L2
- Bus Speed 1066 MHz FSB
- FSB Parity No
- TDP 130 W
- VID Voltage Range 0.8500V-1.500V

Supplemental Information

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

Package Specifications

- Sockets Supported LGA775
- T_{CASE} 64.5°C
- Package Size 37.5mm x 37.5mm
- Processing Die Size 286 mm²
- # of Processing Die Transistors 582 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