



# Intel® Core™2 Quad Processor Q9300

6M Cache, 2.50 GHz, 1333 MHz FSB

## Essentials

- Product Collection [Legacy Intel® Core™ Processors](#)
- Code Name [Products formerly Yorkfield](#)
- Vertical Segment Desktop
- Processor Number Q9300
- Status Discontinued
- Launch Date Q1'08
- Lithography 45 nm
- Recommended Customer Price \$200.00

## Performance

- # of Cores 4
- Processor Base Frequency 2.50 GHz
- Cache 6 MB L2
- Bus Speed 1333 MHz FSB
- FSB Parity Yes
- TDP 95 W
- VID Voltage Range 0.8500V-1.3625V

## Supplemental Information

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

## Package Specifications

- Sockets Supported LGA775
- $T_{CASE}$  71.4°C
- Package Size 37.5mm x 37.5mm
- Processing Die Size 164 mm<sup>2</sup>
- # of Processing Die Transistors 456 million

## Advanced Technologies

- Intel® Turbo Boost Technology † No

- Intel® Hyper-Threading Technology ‡ No
- Intel® Virtualization Technology (VT-x) ‡ Yes
- Intel® Virtualization Technology for Directed I/O (VT-d) ‡ 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 ‡ Yes
- Execute Disable Bit ‡ Yes