



Intel® Core™2 Quad Processor Q9500

6M Cache, 2.83 GHz, 1333 MHz FSB



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Specifications

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Essentials

Product Collection	Legacy Intel® Core™2 Processor
Code Name	Products formerly Yorkfield
Vertical Segment	Desktop
Processor Number	Q9500
Status	End of Interactive Support
Lithography	45 nm
Recommended Customer Price	N/A

Performance

# of Cores	4
Processor Base Frequency	2.83 GHz
Cache	6 MB L2
Bus Speed	1333 MHz FSB
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 ²
# of Processing Die Transistors	456 million
Low Halogen Options Available	See MDDS

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

Intel® Platform Protection Technology

Trusted Execution Technology †	No
Execute Disable Bit †	Yes