

Q57AXE2-25

DURABLE AND VERSATILE RACK MOUNT SERVER

CORSERVER FAMILY

ADAPTABLE DESIGN HELPS BUILD THE EXACT CONFIGURATION YOU REQUIRE!



Q57AXE2-25-A

PRODUCT HIGHLIGHTS

- 2U Rack Mount Chassis
- Intel® Xeon® X3450 (2.66/3.2GHz), Intel Xeon X3430 (2.4/2.8GHz)
- ECC Memory supported
- Up to 16GB of DDR3 SDRAM
- Four (4) PCI, three (3) PCI-E slots
- Two (2) SATA2 ports supporting RAID 0/1 (any OS, no drivers needed)
- Five (5) SATA2 ports supporting Intel Matrix Storage RAID 0/1/5/10
- Versatile hard drive expansion options
- Q57 Chipset

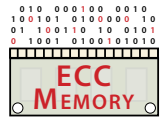
ADDITIONAL OPTIONS

- System may be custom built and configured with customer's software and hardware devices
- RAID card expansion
- Customized OEM branding available
- Windows 7 Pre-loaded
- Three (3) center mounted 80mm fans for excellent, quiet airflow
- Multiple case configuration options available to accommodate numerous different RAID configurations.
- 700W Power supply standard (Higher capacity and hot swappable redundant power supplies available)
- Seven (7) to Ten (10) Year Guaranteed Production

The Q57AXE2-25

This rugged system is built from 1.6mm steel, in a 2U size housing that saves rack space while still accommodating multiple hard drive configuration options. By utilizing our powerful Corvalent Q57AXE motherboard, combined with the Intel® Xeon™ processor, you gain both the horsepower and the storage capability to tackle almost any task. From high end imaging applications, to machine control or simulation systems, this design puts your rack space to good use, and gives you the features you need to get the job done. Well suited for use in an office or production environment, the 3 internal fans are mounted mid-way in the chassis, providing excellent airflow, while minimizing excess acoustic noise.

Still not quite what you need? Corvalent will be happy to design a system to your exact needs and applications. Let us provide you a complete system, ready to plug in, so you can concentrate on selling your product, instead of engineering the computer inside it. This may include installing and configuring IO cards, internal USB sockets for dongles, custom BIOS, software pre-installation, alternative motherboards, or even custom motherboard revisions.



Q57AXE2-25 Optional Configuration with (14) hot swap 2.5" drives

Contact us today to find out how we can help you solve your computing needs, and end the worry and expense of computer discontinuations, compatibility issues, and field failures.

OUR COMMITMENT TO QUALITY

All Corvalent motherboards are designed and manufactured in an ISO 9001:2008 environment and backed by a seven (7) to ten (10) year production life cycle guarantee.





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TECHNICAL SPECIFICATIONS

Form Factor	2U - 3.5"H x 19"W x 25.10"D (88.9mm x 482.6mm x 637.54mm)	Video Graphics	Note: Xeon processors do not support built-in video. A PCI-E or PCI video card is required for external video monitor support.
Cooling Units	Power supply + three (3) 80mm center mounted internal fans.	Ethernet	One (1) Intel 82578 Gigabit Ethernet (PHY) One (1) Intel 82574L Gigabit Ethernet (PHY/MAC) (PCIe x2)
Drive Bays	25-A: (7) External 3.5" bays, (1) 5.25" bay (may be configured for up to (14) hot swappable 2.5" drives + (1) 5.25" optical)	Audio	Realtek ALC888T HD Audio CODEC, Mic. in, Stereo Line Out jacks on I/O back-panel 10-pin HD Audio header for front panel audio connections.
System Bus	(Low profile cards only, with this chassis) One (1) PCI-E x16 graphics slot (x16 Gen. 2.0) One (1) PCI-E x16 slot (x4 Gen. 2.0) One (1) PCI-E x8 slot (x2 Gen. 2.0) Four (4) PCI 2.3 32bit/33MHz slots	Industrial Devices	POST code diagnostics display CPU temperature monitor Powered SATA ports (direct connection of solid state media, 100% backward compatible)
Motherboard	Corvalent - Q57AXE	BIOS	AMI® BIOS on 64Mbit SPI
Board Dimensions	ATX 12" x 9.6"	Operating Temp**	0°C to 40°C
Microprocessor	Intel® Xeon® X3450  (2.66/3.2GHz/x4), Intel Xeon X3430  (2.4/2.8GHz/x4)	Non-Operating	-40°C to 85°C
Chipset	Intel® Q57	Op. Humidity	5% to 95% @ 40°C non-condensing
Memory	DDR3 (1066/1333MHz) Dual channel, Unbuffered, ECC (Provides single bit error correction with Xeon CPU) or Non-ECC, up maximum of 16GB total memory	Part Number	Q57AXE2-25-A
Onboard I/O	Fourteen (14) USB 2.0 ports, six (6) external USB ports on rear panel, eight (8) internal USB ports on 10-pin headers) Five (5) SATA2 3Gb/s ports supporting Intel Matrix Storage (chipset) RAID 0/1/5/10 Two (2) SATA2 3Gb/s ports, hardware RAID 0/1 (Any OS, no drivers needed) Four (4) RS232 Serial port connectors (optional RS485 configurable on (1) port) One (1) Parallel port header Single PS/2 compatible keyboard/mouse connector on back panel One (1) Floppy controller header (1) ATX2.2 - 24-pin (2x12) power connector (1) 4-pin ATX12V power connector		



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