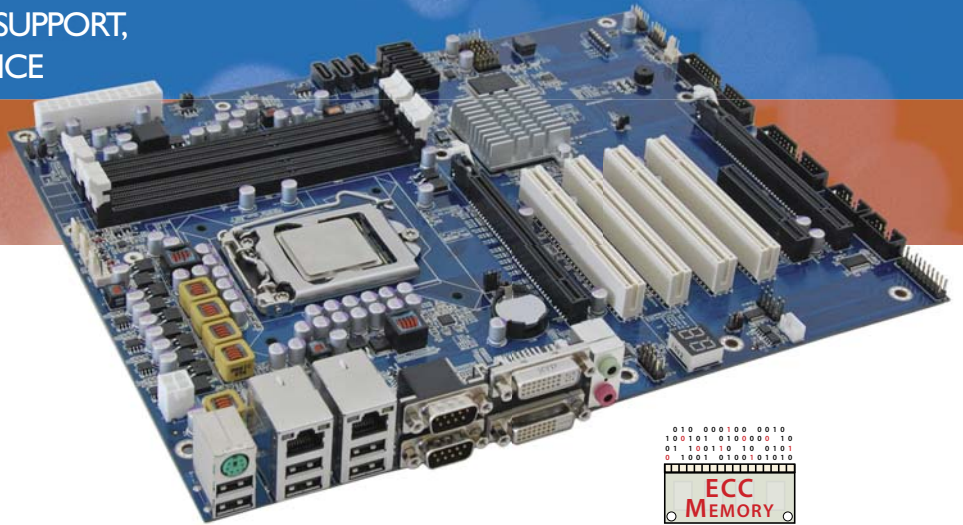


Q57AXE™

INDUSTRIAL ATX SUPPORTING THE INTEL® XEON®, AND ECC MEMORY

DELIVERING BEST-IN-CLASS LEGACY SUPPORT,
LONGEVITY AND HIGH PERFORMANCE



PRODUCT HIGHLIGHTS

- Intel® Xeon® X3450 (2.66/3.2GHz), Intel Xeon X3430 (2.4/2.8GHz),
- ECC Memory Supported
- Four (4) PCI, three (3) PCI-E slots
- Five (5) SATA2 ports supporting Intel Matrix Storage RAID 0/1/5/10
- Two (2) SATA2 ports supporting RAID 0/1 (any OS, no drivers needed)
- Intel Q57 chipset
- Seven (7) to Ten (10) Year Guaranteed Production

The Q57AXE™

is a long-life industrial motherboard supporting the latest Intel Xeon® processors, while still providing a solid migration path for legacy users. The Q57AXE motherboard was designed specifically for intensive server related tasks in harsh industrial applications such as Medical, Oil and Gas, Security and Surveillance, Broadcast, and Industrial Automation.

APPLICATIONS

- Medical
- Oil and Gas
- Security and Surveillance
- Industrial Automation
- Video Streaming / Broadcasting
- Industrial Servers
- Military / Defense
- Networking
- Test and Measurement
- Industrial Computing Systems

Our engineers have designed our fastest Xeon® compatible motherboard yet, with some of the best legacy support available anywhere.

We've not only included onboard RAID 0/1/5/10 support, but we added something more, a second set of ports supporting driverless hardware RAID 0/1. Now any OS (even DOS or QNX) can be on a mirrored or striped array for performance or redundancy. Combine that with dual Gigabit Ethernet, ECC memory support, and optional airflow sensors, the Q57AXE suddenly offers a versatile and cost effective alternative to much larger full server class boards!

Multiple I/O options make this one of our most flexible boards ever produced. (3) Different PCI-E Gen. 2.0 slots and (4) PCI expansion slots, (4) serial ports, (1) parallel port, and (14) USB ports provide ample support for peripherals in a time where extensive expansion capabilities are becoming extremely rare on high-performance motherboards.



Ask about our custom Q57AXE server configurations, built and shipped to your exact specifications. Call today for details

OUR COMMITMENT TO QUALITY

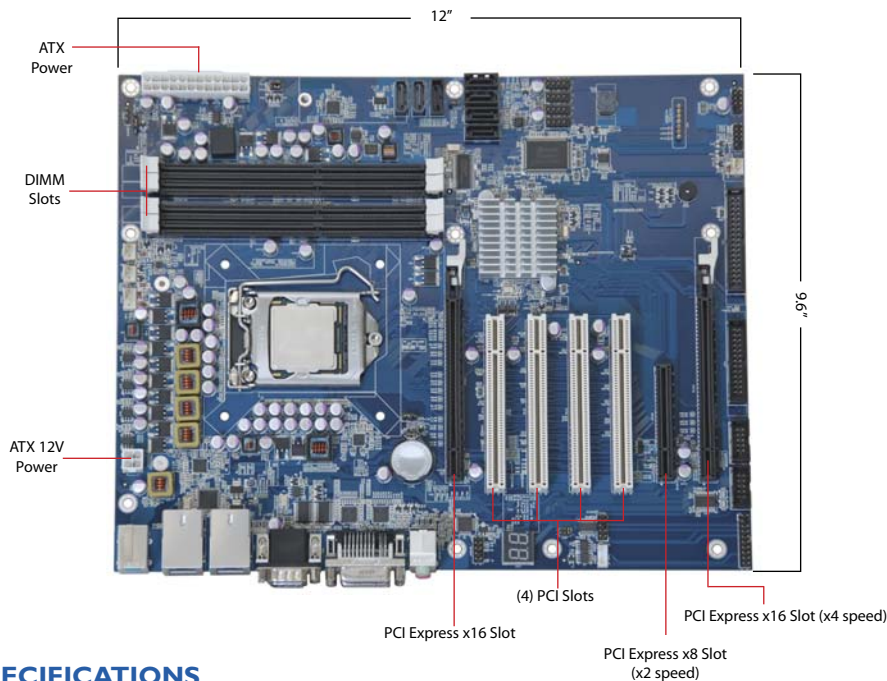
All Corvalent products are designed and carefully manufactured in an ISO 9001:2008 environment and backed by a seven (7) to ten (10) year production life cycle guarantee.



CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

Q57AXE™

INDUSTRIAL ATX SUPPORTING THE INTEL® XEON®, AND ECC MEMORY



TECHNICAL SPECIFICATIONS

Form Factor ATX

Dimensions 12.0" x 9.6"

Microprocessor Intel® Xeon® X3450 (2.66/3.2GHz/x4),
Intel Xeon X3430 (2.4/2.8GHz/x4),

Chipset Intel Q57

Mem. Bandwidth 21 Gb/s

Memory DDR3 (1066/1333MHz) Dual channel,
Unbuffered, ECC (Xeon) or Non-ECC, up
maximum of 16GB total memory

System Bus 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

Onboard I/O Fourteen (14) USB 2.0 ports, six (6) External
USB ports on rear panel, ten (8) internal USB
ports on 10-pin headers)
Five (5) SATA2 3Gb/s ports supporting Intel
Matrix Storage RAID 0/1/5/10
Two (2) SATA2 3Gb/s ports supporting
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

Video Graphics Xeon processors do not support built-in video,
PCI-E or PCI based video card will be required.
(Built-in video supported only on Intel i5 and i3
processors via Dual DVI (DVI-I / DVI-D) ports
on the rear panel)

Ethernet One (1) Intel 82578 Gigabit Ethernet (PHY)
One (1) Intel 82574L Gigabit Ethernet
(PHY/MAC) (PCIe x2)

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.

Industrial Devices POST code diagnostics display
Airflow sensors (optional upgrade)
CPU temperature monitor
Powered SATA ports (direct connection of solid
state media, 100% backward compatible)

BIOS AMI® BIOS on 64Mbit SPI

Battery Removable lithium battery for CMOS
memory

Operating Temp 0°C to 60°C

Non-Operating -40°C to 70°C

Op. Humidity 5 to 95% non-condensing

Non-Operating 5 to 95% non-condensing

Part Number Q57AX



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