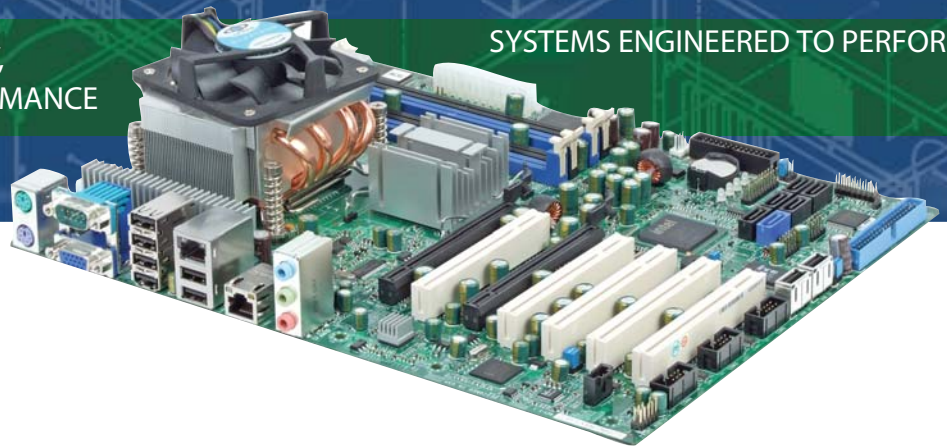


ATXR-QZ35Q

LONG-LIFE ATX MOTHERBOARD FEATURING MULTI CORE PROCESSING

DELIVERING BEST-IN-CLASS SCALABILITY,
OFFERING LONG LIFE AND HIGH PERFORMANCE

SYSTEMS ENGINEERED TO PERFORM™



PRODUCT HIGHLIGHTS

- Intel® Core™ 2 Duo, Core 2 Quad, Celeron Processors
- Intel® Q35 Express chipset
- 1333/800/667 MHz Front Side Bus
- Up to 8GB DDR2-800/667 RAM
- Six SATA2 (300MB/s) w/ RAID
- Twelve USB 2.0 Ports
- Five (5) To Eight (8) Year Guaranteed Production



The ATXR-QZ35Q™

is a long-life industrial motherboard based on the latest Intel Q35 Express chipset which delivers support for Intel Core™ 2Duo processors and the upcoming Intel Core™ 2 Quad processors bringing higher performance in combination with greater energy efficiency. The Front Side Bus support is extended up to 1333MHz for use with nextgen 45nm processors. The QZ35Q also supports faster DDR2-800 dual channel memory.

APPLICATIONS

- Medical
- Oil and Gas
- Security and Surveillance
- Industrial Automation
- Simulation

The Intel® Q35 Express chipset addresses key requirements of many embedded computing designs, including graphics, low-power consumption, noise reduction, manageability, data protection and security. When combined with Intel® Core™2 Duo and Core™2 Quad processors, this platform helps embedded OEM's deploy responsive, high-performance, low-power systems.

The ATXR-QZ35Q is custom-designed to meet a diverse range of embedded computing requirements across a wide spectrum of mission requirements, including security, factory automation, simulation, and networking.

OUR COMMITMENT TO QUALITY

All Chassis Plans long life motherboard products are designed and manufactured in an ISO 9001:2000 environment and backed by a five (5) to eight (8) year production life cycle guarantee.

CONFIGURED SYSTEMS

Chassis Plans is a recognized leader in turn-key integrated industrial computing solutions. Systems are built exactly to each customer's unique application and environmental requirements. Our broad product line of COTS industrial chassis and unsurpassed custom design capabilities allows us to provide the ideal enclosure. Long Life Products and strict revision control on all components means you get the same system with every order. Chassis Plans Systems are Engineered to Perform™.

ATXR-QZ35Q

LONG-LIFE ATX MOTHERBOARD FEATURING MULTI CORE PROCESSING

TECHNICAL SPECIFICATIONS

Form Factor	ATX (12.0" x 9.6")
Microprocessor	Intel® Core™ 2 Duo, Intel® Core™ 2 Quad and Celeron Processors
Chipset	Intel® Q35 Express + ICH9DO
Front Side Bus	1333/1066/800MHz
System Bus	One PCI Express x16 dedicated graphics slot One PCI Express x4 interface in x16 slot Five PCI Rev.2.3
On board I/O	Six SATA 3Gb/s ports (one eSATA ready) One Ultra ATA 100 interface Twelve (12) USB 2.0 ports Six USB ports on rear I/O, two internal connectors, four via internal headers Four RS232 Serial ports, one rear panel DB9, three via on-board headers One Parallel port via on-board header Double stacked PS/2 compatible keyboard/mouse connector
Video Graphics	DB-15 VGA connector on I/O back-panel (maximum resolution 2048x1536 @75Hz) Intel Graphics Media Accelerator 3100 integrated video PCI-E x16 graphics slot with support for Media Expansion Cards
Memory	Four sockets, DDR2 (667/800MHz) RMA dual channel up to 8GB
Ethernet	Gigabit Ethernet using the integrated MAC and Intel 82566DM PHY Option for second Gigabit Ethernet using an Intel 82573L MAC/PHY Two (2) RJ45 connectors with integrated magnetics on I/O back-panel
Sound	Realtek ALC883 HD Audio 8-channel CODEC Mic. in, Stereo Line Out, Stereo Line In jacks on I/O back-panel CD IN (ATAPI) header
BIOS	Phoenix BIOS TrustedCore™ with customizable logo and BIOS settings
Power Management	ACPI 3.0
Power Connector	ATX2.2 - 24-pin power connector 4-pin ATX12V power connector
Environmental	Voltage, temperature and fan monitoring Lithium cell voltage monitoring Automatic fanspeed control based on thermal monitoring SMBus header, Watchdog timer (available with dual LAN SKU), GPIO (available with dual LAN SKU)

Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0°C to 55°C	-40°C to 85°C
Humidity	5% to 95% @ 40°C non-condensing	5% to 95% @ 40°C non-condensing



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