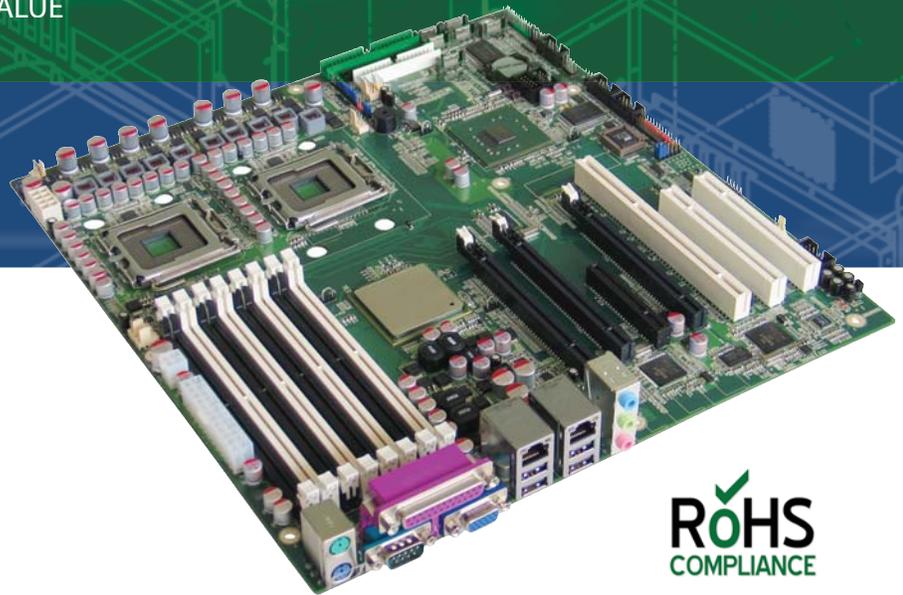# ATXS-5000P

LONG-LIFE QUAD CORE EATX INDUSTRIAL SERVER BOARD

SOLID AND HIGH PERFORMANCE AT A GREAT VALUE
SYSTEMS ENGINEERED TO PERFORM

PRODUCT HIGHLIGHTS

- EATX (12.0" x 13.0")
- Intel® Xeon Quad Core E5300 Series processor
- Intel® 5000P chipset
- Intel® 82563EB Dual GbE
- Six (6) SATA 2 headers
- Eight (8) USB 2.0 ports
- Five (5) To Eight (8) Year Guaranteed Production

RoHS COMPLIANCE

The ATS-5000P™

is a long-life, quad core EATX server board based on the Intel® Dual Core, Dual Xeon 5100 Industrial Server Series, Intel® Xeon Quad Core E5300 Series, Intel® Duo Core, Duo Core LV L5200 Series, Intel® Quad Core E5400 Series processor and Intel 5000P chipset. The ATXS-5000P was designed specifically for high performance embedded applications such as Medical, Oil and Gas, Industrial Automation, Military/Defense, Semiconductor Equipment, Security and Surveillance, simulation.

APPLICATIONS

- Medical
- Oil and Gas
- Industrial Automation
- Military/Defense
- Semiconductor Equipment
- Security and Surveillance
- Simulation

Powered by the Intel® 5000P chipset, the ATXS-5000P utilizes next-generation dual-processor server chipset technology, enabling low-power consumption with improved platform reliability, accessibility, serviceability (RAS) and system manageability. The ATXS-5000P delivers higher throughput with dual, point-to-point system buses, faster memory and I/O bandwidth, and Fully Buffered DIMM (FB-DIMM) support than previous-generation Intel® chipsets.

The ATXS-5000P combines the benefits of dual- and quad-core processing with dual-processor capabilities (up to four or eight cores for a dual-processor platform), ideal for embedded OEM's requiring high-performance, power-efficient platforms with greater data throughput to perform diverse tasks simultaneously.

OUR COMMITMENT TO QUALITY

All Chassis Plans Long Life 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.

CHASSIS PLANS

The Original Industrial Computer Source®

SB5000P
LONG-LIFE QUAD CORE EATX INDUSTRIAL SERVER BOARD
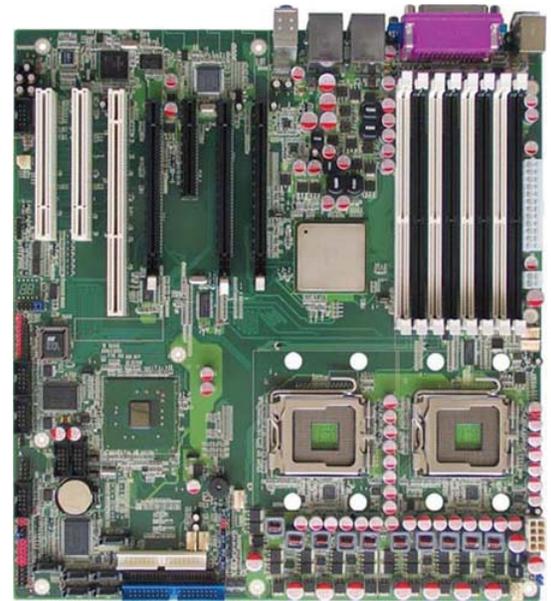
TECHNICAL SPECIFICATIONS

Form Factor EATX (12.0" x 13.0")

Microprocessor
Intel® Xeon Dual Core 5100 Series
Intel® Xeon Quad Core E5300 Series
Intel® Duo Core, Duo Core LV L5200 Series
Intel® Quad Core E5400 Series

Chipset Intel® 5000P

System Bus
Two (2) PCI-E x16 connectors
　(8 PCI-E lanes each) from 5000P MCH
One (1) PCI-E x16 connector (8 PCI-E lanes) (ESB2)
One (1) PCI-E x 4 connector (ESB2)
One (1) PCI-X 133MHz (ESB2)
Two (2) PCI Rev 2.3 connectors (ESB2)

On board I/O
Six (6) SATA2 headers
Eight (8) USB 2.0 ports provided by ESB2
　(four (4) USB ports on 2x shared RJ45/doubled stacked USB
　connectors, four (4) USB ports on 2x 10-pin headers)
Four (4) RS232 serial ports COM 1 (configurable 422/485)
One (1) Parallel port
Double stacked PS/2 compatible keyboard/mouse connector
One (1) TPM (LPC bus) header
One (1) Floppy controller header

Video Graphics
XGI Volari Z9S graphics chip
DB15 I/O connector
64MB DDR2 video memory

Memory
FB-DIMM 667/533 MHz memory dual channel
Eight (8) sockets with support up to 128GB
(Supports both ECC memory modules)

Ethernet Intel® 82563EB Dual GbE

Sound
Realtek ALC883 HD Audio CODEC or equivalent
Microphone in, Stereo line out, Stereo line in jacks on I/O
back-panel
10-pin HD Audio header for extra surround sound outputs

Fans
Two (2) CPU fans (4-pin)
Four (4) System fans (4-pin)
One (1) System fan (3-pin)

BIOS AMI®

Power Connector
ATX2.2 - 24-pin power connector
8-pin, 4-pin ATX12V power connectors

Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0℃ to 50℃	-40℃ to 70℃
Humidity	5 to 95% @ 40℃ non-condensing	5 to 95% @ 40℃ non-condensing

PRODUCT HIGHLIGHTS

- Intel Dual or Quad Core XEON
- Intel 5000P Chipset
- 1333MHz Front Side Bus
- Up to 128GB of Dual Channel DDR2 667/533
- Eight USB 2.0 and FourSerial Ports
- Three PCI-E x8, One PCI-E x4, One PCI-X and Two PCI Slots
- Serial ATA-II (300MB/s) w/ RAID
- On-Board Video and Realtek Sound
- Five (5) To Eight (8) Year Guaranteed Production

CHASSIS PLANS

The Original Industrial Computer Source®

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