

EcoSys965™

ECOSYS FAMILY

ECO-FRIENDLY, HIGH PERFORMANCE INDUSTRIAL SYSTEM

CONVERGING HIGH-PERFORMANCE
AND VALUE WITH A LONG-LIFE CYCLE



PRODUCT HIGHLIGHTS

- 5.4" x 14.5" x 13.0"
(136mm x 370mm x 329mm)
- Intel® Core™ 2 Duo E6400 processor
- 2GB DDR2 (800MHz)
- 500GB SATA HDD
- Two (2) Intel 82573L PCI-e GbE Ethernet Ports
- Four (4) USB 2.0 ports (back)
Two (2) USB 2.0 ports (front)
- 300W P4 Power Supply
- Supports Windows XP, Vista, 2003 Server

KEY FEATURES

- High-performance system
- Temperature controlled fans
- Integrated graphics
- HD Audio with surround header
- Large storage capability
- Fully RoHS compliant
- Customized BIOS settings
- Operating system loaded
- Highly customizable

The EcoSys965™

Prepackaged configuration built around the 965MTX™ long-life industrial motherboard. The EcoSys965™ offers a high-performance platform for a broad array of analysis, control and storage applications. As a starting point for a project requiring sophisticated processing and I/O capabilities, the EcoSys965 is unique.

This exceptional system is specifically engineered for ease deployment to field or embedded solution requirements.

The Intel® Q965 Express chipset provides virtually all of the resources needed to building a reliable and consistent computation platform for virtually any application. A wealth high-bandwidth interfaces PCI Express, Serial ATA, and Hi-Speed USB 2.0 connectivity and very high resolution graphics (2048x1536 @ 75Hz max.) provide the basis for a broad range of graphic interface uses.

Consuming only 3.3 watts in idle and 6 watts during seek, Corvalent's SATA hard drive supports quieter, cooler-running industrial computer devices, with power usage up to 30% lower than any other hard drive in the industry. Cool and quiet, Corvalent's Green Power technology yields lower operating temperatures for increased reliability and low acoustics for ultra-quiet industrial computers.

The 80 Plus performance specification



requires that our power supplies in Corvalent's industrial computers and servers to be 80% or greater energy efficient at 20%, 50% and 100% of rated load with a true power factor of 0.9 or greater.

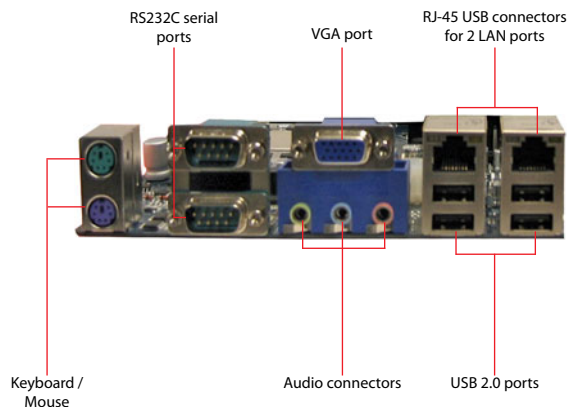
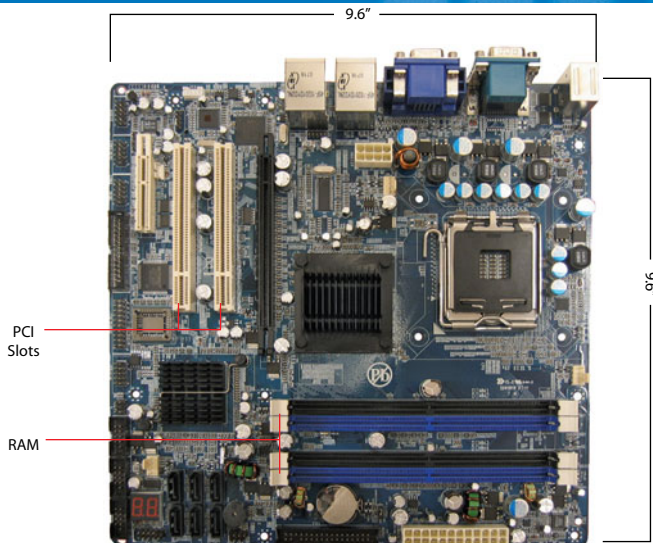
OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment.



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TECHNICAL SPECIFICATIONS

Form Factor	5.4" x 14.5" x 13.0" (136mm x 370mm x 329mm)
Cooling Units	Two (2) 6cm fans (rear-mounted)
Air Flow	Front to rear
Standard Drives	One (1) 5.25" SATA DVD/CD RW One (1) 3.5" HDD SATA 500GB
Drive Bays	One (1) 3.5" (open)
Expansion Slots	Four (4) vertical slots: One (1) PCI Express x16 dedicated graphics slot, One (1) PCI Express x4 slot in a x16 connector, Two (2) 32-bit PCI slots
Motherboard	Corvalent - 965MTX (P65MX)
Dimensions	9.6" x 9.6" (243.84mm x 243.84mm)
Microprocessor	Embedded Intel® Pentium® 4 Processor (LGA 775), Intel Celeron® D 440 Processor Intel® Core™ 2 Duo E6400 Processor Intel Core 2 Duo E4300 Processor For additional supported processors, please contact us.
Chipset	Intel Q965 Express + ICH8DO
Front Side Bus	1066/800/533MHz
Memory	8GB DDR2 533/667/800MHz
System Bus	One (1) PCI Express x16 dedicated graphics slot One (1) PCI Express x4 slot in a x16 connector Two (2) 32-bit PCI slots
Onboard I/O	Six (6) SATA2 connectors (300MB/s supports RAID 0/1/5/10) Ten (10) USB 2.0 ports, four (4) connectors, six (6) USB headers Four (4) RS232C serial ports, two (2) connectors, two (2) headers One (1) factory configurable to RS422 Infrared support on COM2 through header One (1) ECP/EPP parallel port header One (1) PS/2 mouse/keyboard connector

One (1) floppy connector
One (1) Trusted Platform Module Header
ATX2.2 - 24-pin (20-pin), 8-pin(4-pin)
ATX12V power connector
300W 80 Plus Power Supply

Video Graphics Intel Graphics Media Accelerator 3000 (Maximum resolution 2048 x 1536 @ 75Hz)
Single DB15 connector

Ethernet Two (2) onboard Intel 82573L PCI Express-based GbE Ethernet ports

Audio Intel HD Audio, 3-Jack Audio, Surround sound header, SPDIF output header

Industrial Devices Hardware monitoring including fan, CPU temperature and voltages POST display
BIOS AMI®

Battery Removable lithium battery for CMOS memory

Operating Temp 0°C to 55°C

Non-Operating -40°C to 70°C

Op. Humidity 5% to 95% @ 40°C non-condensing

Non-Operating 5% to 95% @ 40°C non-condensing

Part Number EcoSys965



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