

CorBrick™ 965

CORBRICK FAMILY

HIGH PERFORMANCE 4U WALLMOUNT EMBEDDED SYSTEM

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



PRODUCT HIGHLIGHTS

- 4U - 15.7" x 7" x 16.5"
(400mm x 177mm x 420mm)
- Intel® Core™ 2 Duo E6400 processor
- Intel Q965 Express chipset
- 2GB DDR2 (667MHz)
- 250GB SATA2 HDD
- Two (2) Intel 82573L PCI-e GbE Ethernet Ports
- Four (4) USB 2.0 ports (back)
- 400W Power Supply ATX, PS2

KEY FEATURES

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

The CorBrick965™



Prepackaged configuration built around the high performance-per-watt 965MTX motherboard, the CorBrick965 offers a modular platform for a broad array of thermal density and size constrained applications.

As a starting point for a project requiring sophisticated processing and I/O capabilities, the CorBrick965 is unique. Where most pre-configured systems are focused in networking environments, this exceptional system is specifically engineered for ease deployment to field or embedded solution requirements.

Powered by the Intel® Q965 Express chipset, the CorBrick965 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.



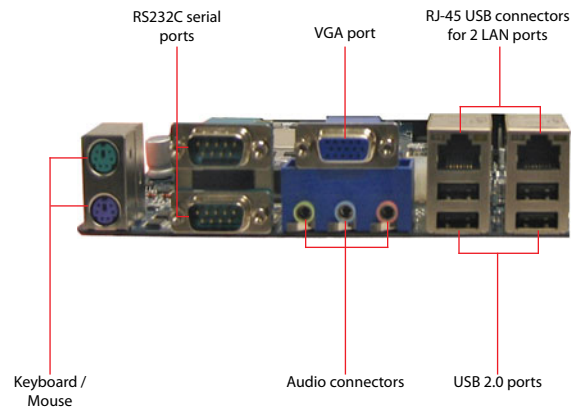
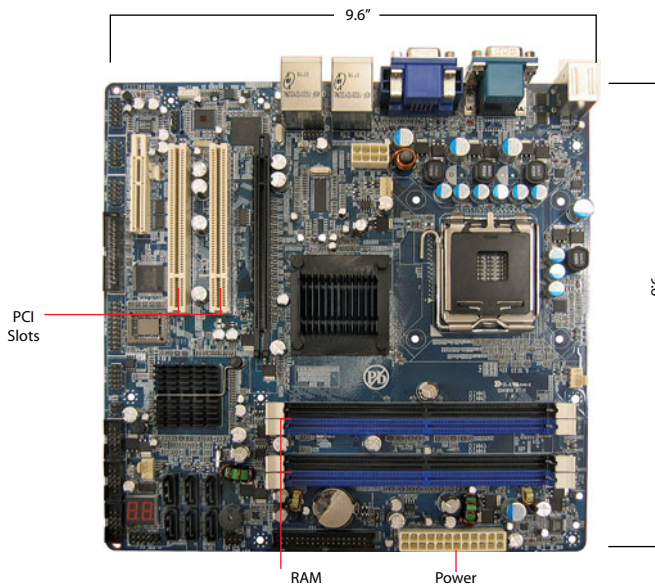
OUR COMMITMENT TO QUALITY

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



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HIGH PERFORMANCE 4U WALLMOUNT EMBEDDED



TECHNICAL SPECIFICATIONS

Form Factor	4U Wall Mount Micro ATX 15.7" x 7" x 16.5" (400mm x 177mm x 420mm)	ATX2.2 - 24-pin (20-pin), 8-pin(4-pin) ATX12V power connector
Cooling Units	One (1) 12cm (90 CFM) HD Ball Bearing Fan	Video Graphics Intel Graphics Media Accelerator 3000 (Maximum resolution 2048 x 1536 @ 75Hz) Single DB15 connector
Air Flow	Front to rear	Ethernet Two (2) onboard Intel® 82573L PCI Express-based GbE Ethernet ports
Standard Drives	One (1) 5.25" SATA CD/DVD RW One (1) 3.5" HDD SATA II 250 GB	Audio Intel HD Audio, 3-Jack Audio, Surround sound header, SPDIF output header
Drive Bays	One (1) 5.25" open One (1) 3.5" open	Industrial Devices Hardware monitoring including fan, CPU temperature and voltages, POST display
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	BIOS AMI®
Motherboard	Corvalent – 965MTX (P65MX)	Battery Removable lithium battery for CMOS memory
Chipset	Intel® Q965 Express + ICH8DO	Industrial Device Hardware monitor, onboard buzzer
Microprocessor	Intel Core™ 2 Duo E6400 processor	Operating Temp 0°C to 45°C
Front Side Bus	1066MHz	Non-Operating -20°C to 65°C
Memory	2GB DDR2 (667MHz), Two (2) memory modules	Op. Humidity 10% to 85% @ 40°C RH non-condensing
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	Non-Operating 10% to 95% @ 40°C RH non-condensing
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 (supports two drives) One (1) Trusted Platform Module (TPM) header	Part Number CorBrick965

CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

1101 Arrow Point Drive, Building 5
Cedar Park, TX 78613, USA
toll free 888.776.7896 phone 512.456.2400
fax 512.456.2404 info@corvalent.com

www.corvalent.com