

## LOW-PROFILE, HIGHLY FLEXIBLE RACKMOUNT SYSTEM

COMBINES HIGH-PERFORMANCE AND VALUE IN A  
LONG-LIFE-CYCLE PACKAGE



### PRODUCT HIGHLIGHTS

- 1U (19" x 1.75" x 23.6")
- Intel® Core™ 2 Duo E6400 processor
- 2GB DDR2 (667MHz)
- 250GB SATA2 HDD
- Two (2) Intel 82573L PCI-e GbE Ethernet
- Four (4) USB 2.0 ports (back)  
Two (2) USB 2.0 ports (front)
- 1U Single 350W power supply
- One (1) PCI slot riser card

### The CorSys I65™

Prepackaged configuration built around the 965MTX long-life industrial motherboard in an elegant and efficient 1U rackmount system. The CorSys I65™ 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 CorSys I65™ utilizes Intel's Core microarchitecture-based Core 2 Duo processor, DDR2 memory, enterprise-class SATA2 HDD, PCI-e GbE, and USB2.0.

Offering high levels of performance, power efficiency, and longevity, the CorSys I65™ meets the requirements of demanding embedded applications. Where most pre-configured systems are focused in networking environments, this exceptional system is specifically engineered for ease deployment to field for embedded solution requirements.

### OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2000 environment.

### ORDERING INFORMATION

- Product: [CorSys I65](#)
- Product Description: Low Profile, Highly Flexible Rackmount System

### 965MTX



Industrial motherboard proudly owned, uniquely designed and manufactured by Corvalent



### TECHNICAL SPECIFICATIONS

Form Factor	1U
Dimension	19" x 1.75" x 23.6" (483(W) x 44(H) x 650(D) mm)
Power Supply	1U Single 350W, Auto switching with Active PFC
Cooling Units	Three (3) Heavy Duty Ball Bearing Fans (40x20mm = 7CFM ea.) Two (2) Heavy Duty Ball Bearing Fans (40x28mm = 15CFM ea.)
Motherboard	<b>Corvalent - 965MTX (P65MX)</b>
Chipset	Intel® Q965 Express + ICH8DO
Processor	Intel® Core™ 2 Duo E6400 processor
FSB	1066/800/533MHz
System Memory	2GB DDR2 (667MHz) Two (2) memory modules
Back Panel	PS/2 Keyboard/Mouse Serial Port 1 Serial Port 2 DB-15 VGA onboard Line-In Line-Out Microphone Two (2) Intel 82573L PCI-e GbE Four (4) USB 2.0
Front Panel	Two (2) USB 2.0 Power on/off button Reset button Power LED HDD LED
Drive	One (1) 5.25" SATA DVD/CD RW DL One (1) 3.5" HDD SATA II 250 GB
Drive Bays	Two (2) 3.5" hidden One (1) 3.5" open
Expansion Slots	One (1) PCI slot riser card
O/S	Supports Windows XP, Vista, 2003 Server, LINUX

### Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0°C to 50°C	-20°C to 80°C
Humidity	10% to 85% @ 40°C RH non-condensing	10% to 95% @ 40°C RH non-condensing

### 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

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