



Ross Technologies Group, LLC

UL5 Industrial PC

Industrial 4U High Reliability Computer



The Model UL5 industrial computer combines performance with a rugged design. The universal chassis allows a variety of mounting options including; desk, tower, or 19" rack. Industrial features include: card hold down bar, 120mm filtered cooling fans, removable 3.5" trays, improve system operation and reliability.

An internal watchdog, monitors the health of the system. Access is restricted with a key lock switch.

Standard Features:

Dual Core E8400 Intel processor, 2G Ram, 500GB SATA HD, 4 PCI, 2 PCI express expansion slots, Integrated dual video, HD audio, dual Ethernet, and keyboard/optical mouse.

At a Glance

- UL 864 Fire & 1076
- Rugged Design
- Revision controlled motherboard
- E8400 Dual Core Processor
- Desk, tower, or optional rack mounting
- Extra fans and filters
- Drive media shock mounting
- Hold down for expansion cards
- Watchdog card

UL5 Advanced Features:

- o 0-50 degree C operation, with filtration and card hold down bracket
- o Key lock for power on/off and Power, HDD, WD Status
- o High volume CFM fans
- o Intelligent watchdog fan control for quiet cool operation
- o Up to 5 internal 3.5" drive trays for storage expansion
- o Optional Raid operation
- o Optional DV-R/W

Optional hardware includes, 19" rack mounting kit & rails, LCD touch monitor, external speaker, additional hard drives and memory.



Watchdog card for monitoring system health.



UL5 Specifications

FEATURE	FUNCTION	DESCRIPTION
Processor	Socket	Intel E8400 Dual Core 3.0GHz Intel® Core 2 Duo® CPU, LGA775 socket with 6M cache
Chipset		Intel® Q35
Memory	Type Capacity	Up to 8G DDR memory, 1GB DDR2 800Mhz, upgradeable to 8GB, 2GB Standard
Video	Controller	Intel® Graphics Media Accelerator 3100 PCI express x16 video slot. On board GMA3100 Dual video using VGA & DVI ports
Audio	Controller Connectors	Intel® High Definition Audio subsystem using the Realtek ALC885 High Definition audio CODEC Mini Stereo: Line-In, Line-Out, Microphone-In
Network	Controller	Dual 1G LAN subsystem using dual Realtek RTL8111B Ethernet controllers
SATA	Devices Hard Disk Drive CD R/W	500GB or greater , SATA, 7200RPM Hard Drive DVD-R/W SATA DVD+RW CD-R/W
Mechanical	Dimensions	4U Rack Mount/Tower/Wall/Desk Mount Width Rack mtg: 483mm (19 inches) Width Desk or tower: 16.94 inches Depth: 22 inches Height: 6.97 Weight: approx (44.0 Lbs)
I/O	USB Serial Ports Parallel Port SATA EIDE PS/2 ports	12USB 2.0 ports, 6 internal, 6 external Two serial port internal (1 used for WDog) One parallel port 6 Serial ATA interfaces One parallel ATA IDE interface PS/2 keyboard and mouse ports
Expansion Slots	PCI PCI express	Four PCI Conventional* bus add-in card connectors One PCI Express* x1 bus add-in card connectors One PCI Express* x16 bus add-in card connector
System Management	Integrated Watchdog Timer	Monitoring of voltage, temperature and fans 8 system fans, including CPU heat sink fan with fan speed control
Power Supply	Type Typical	PSU, 350W AC 100W
Environmental	Temperature	0-50 degrees C, Humidity 5-95%, non-condensing

