

KEY FEATURES

- ▶ Intel® Core™ i7 / i7 and Xeon® 5600/5500/3600/3500 series CPUs
- ▶ Intel® X58 Express Chipset
- ▶ Up to 24GB DDR3 1333/1066/800 DIMM
- ▶ Intel® Dual 82574L Gigabit
- ▶ RAID 0, 1, 5, 10 support
- ▶ 2 (x16) PCI-Express 2.0, 1 (x4) PCI-Express , 2x 64-bit 133/100MHz PCI-X and 1x 32-bit PCI Slot
- ▶ 500W dual redundant power supply
- ▶ Up to 3 x 5.25" and 3 x 3.5" drive bays
- ▶ Lockable front panel designed to IP54
- ▶ Polished stainless steel housing and extruded aluminium alloy front panel
- ▶ Air filter 30 PPI (changeable)
- ▶ Shock mounted drive cage



Ultima QC 4U chassis

The Ultima QC offers new levels of performance using Intel Core i7 processors and Nvidia graphics, providing top end processing performance, comprehensive system expansion and drive support. This enhanced feature set is coupled with a rugged chassis system and the longevity of supply associated with all Blue Chip Technology products. The system interior features card support guides and clamps, shock mounted drive bay cages. The housing also supports CPU diagnostics, which monitor internal temperatures and voltage rails, dual redundant power supply and RAID storage for increased system reliability.

Supporting Core i7 processors or Intel's Xeon 3500 and 5500 series CPUs, the Ultima QC industrial computer is the perfect choice for the most demanding processor-intensive applications, including surveillance, signal processing, machine control and image processing, as well as in general purpose industrial system-level applications. Using 4 GB DDR3 DIMMs, you can reach a total memory capacity of 24 GB; unbuffered DDR3-800, 1066, and 1333 memory is supported. Two Intel 82547L controllers provide dual Gigabit Ethernet connections. The expansion possibilities are ensured by a useful combination of two fully featured x16 PCI Express 2.0 slots and 1 (x4) PCI-Express slot. In addition to this 2 x 64-bit 133/100MHz PCI-X and 1 x 32-bit PCI slots are available for any required legacy workstation/server cards.

The Ultima is a premium, semi-customisable chassis for applications requiring a superior industrial platform. The stainless steel chassis is as durable as it is attractive; its polished lines reflect Blue Chip Technology's reputation for outstanding quality and design.

ULTIMA QC QC 4U CHASSIS TECHNICAL SPECIFICATION

SYSTEM

- ▶ Intel® Core™ i7 / i7 Extreme Edition and Xeon® 5600/5500/3600/3500 series processors
- ▶ Intel TurboBoost, Hyper threading and Smart Cache
- ▶ Up to 24GB DDR3 1333/1066/800 DIMM

STORAGE

- ▶ SATA HDD up to 1TB
- ▶ SSD up to 128GB
- ▶ RAID 0, 1, 5, 10 support
- ▶ Available drive bays:
2 internal 3.5" drive bays
1 external 3.5" drive bay
3 external 5.25" drive bays

OPERATING SYSTEM

- ▶ Windows® XP Pro FES
- ▶ Windows 7
- ▶ Linux

ENHANCED IO

- ▶ Serial ATA 6 Serial ATA ports
- ▶ 1 Floppy controller; 1.44 MB
- ▶ 2 x RJ45 LAN ports
- ▶ 8 x USB rear ports
- ▶ 2 x USB on-board
- ▶ 1 x USB internal header (2 ports)
- ▶ 1x S/PDIF digital output
- ▶ 1 Keyboard / Mouse PS/2 port
- ▶ 2 COM ports

LOCAL AREA NETWORK

- ▶ Intel® Dual 82574L Gigabit LAN
- ▶ Optional Wireless LAN

EXPANSION OPTIONS

- ▶ 2 (x16) PCI-Express 2.0
- ▶ 1 (x4) PCI-Express (using X8 slot)
- ▶ 2 x 64-bit 133/100MHz PCI-X
- ▶ 1 x 32-bit PCI Slots

DISPLAY/AUDIO

- ▶ Audio Realtek ALC883 7.1 HD audio
- ▶ Dual PCI Express x 16 expansion accommodates leading edge graphics cards including ATI Fire Pro and Nvidia Quadro ranges

POWER

- ▶ 500W dual redundant power supply
- ▶ Active PFC
- ▶ Short circuit protection

APPROVALS

- ▶ EMC Emissions EN55022 (A)
- ▶ EMC Immunity EN55024
- ▶ Safety EN60950

WARRANTY

- ▶ Standard 1 year return to base

SYSTEM MANAGEMENT

- ▶ Onboard server management software for system reporting
- ▶ Voltage and temperature sensing
- ▶ Air filter: removable (washable)
- ▶ Optional Anti-shock/vibration drive mounting
- ▶ Fan status monitor for speed and on/off control
- ▶ Low noise fan speed control
- ▶ Pulse Width Modulated (PWM) fan connectors
- ▶ Temperature Monitoring for CPU and chassis environment
- ▶ CPU thermal trip support
- ▶ FC temperature sensing logic
- ▶ Thermal Monitor 2 (TM2) support and PECL
- ▶ Chassis intrusion header

ENVIRONMENTALS

- ▶ Dimensions: 451 x 482 x 177mm
- ▶ Packed weight - 25kg
- ▶ Protection rating - Dust/Water Front Panel designed to IP54
- ▶ Temperature (operating) 0 to 40°C
- ▶ Temperature (storage) -20 to 70°C
- ▶ Altitude (operating) -200m to 3000m
- ▶ Shock (operating) - 5G (11ms, 1/2 sine waves)
- ▶ Vibration (operating) :
1.5G or less (10 - 100Hz, 1 octave/min. sweep rate)
1.0G or less (100 - 200Hz, 1 octave/min. sweep rate)
0.5G or less (200 - 600Hz, 1 octave/min. sweep rate)