



- ▶ Designed for harsh environments
- ▶ Two front USB ports
- ▶ Four 5.25 externally accessible drive bays
- ▶ Long term availability
- ▶ PCI and ISA expansion
- ▶ Optional removable fan filter
- ▶ Optional Shock Protected Drive bays
- ▶ RAID 0, 1, 5,10 function support

DELTA 4U INDUSTRIAL COMPUTER PICMG 1.0

Delta is Blue Chip Technology's range of off the shelf industrial computers available in a range of flexible configurations to suit applications across the industrial automation, transportation and security sectors.

The 4U Delta configured with a PICMG 1.0 single board computer offers comprehensive PCI and ISA expansion capabilities for legacy installations and a typical product life cycle of three years. The systems features the integrated Intel® Q35 GMA 3100 graphic engine, RAID storage, dual gigabit LAN and supports the latest Intel Core 2 Duo and Intel® Pentium® Dual Core processors on an industrial platform.

The optional lockable front panel is equipped with four 5.25 externally accessible drive bays. Two USB 2.0 ports and the Power/Reset button are also located here for security with easy access. The system status LEDs are fully visible through the panel. The Delta 4U PICMG industrial computer is Windows Vista ready.

Available as a 19 inch rack-mount or bench mount unit, the Delta 4U PICMG is designed and manufactured in the UK and meets all the requirements of the industrial user including long- term availability, high reliability and chassis robustness.

DELTA 4U PICMG 1.0 INDUSTRIAL COMPUTER TECHNICAL SPECIFICATION

SYSTEM

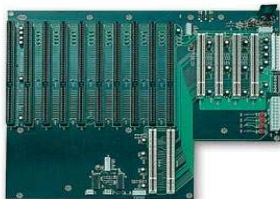
- ▶ LGA775 socket for Intel® Core™2 Quad/ Core™2Duo/ Celeron® processor with 800/1066/1333 MHz System
- ▶ Phoenix-Award BIOS
- ▶ System Chipset Intel® Q35+ICH9
- ▶ Dual channel DDR2 533/667/800 SDRAM up to 4 GB
- ▶ 2 LAN ports as 10/100/1000Mbps support Wake-on-LAN, PXE Boot ROM with Realtek RTL8111B
- ▶ Graphics Chipset Intel® Q35 GMCH 3100 integrated graphic engine; supporting Microsoft DirectX 9
- ▶ Analog display : up to 2048x1536@ 75 Hz (QXGA)
- ▶ Watchdog Timer: 255 levels, 1~255 sec
- ▶ Hardware monitoring supports CPU/System temperature, CPU/System voltage and CPU/System fan features

STORAGE

- ▶ 80GB, 250GB or 500GB SATA RAID Edition HDD 7200rpm
- ▶ DVDRW
- ▶ Total drive capacity: 4 x 5.25" external and 2 x 3.5" internal (additional drive controller needed to support all six positions)

EXPANSION

- ▶ 5 x ISA
- ▶ 7 x PCI (with 1 PCI/PCI Bridge)
- ▶ 2 PICMG Slots



ATX6022 14GP7 Backplane

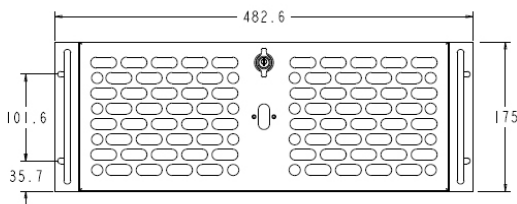


ATX6022 14G Backplane

- ▶ 1 x ISA
- ▶ 12 x PCI
- ▶ 2 x PICMG Slots

OS SUPPORT

- ▶ Windows Vista, Windows® XP Pro for Embedded Systems. For further options please contact Sales



EXTERNAL INTERFACES

- ▶ 2 x front and 2 x rear USB (further 2 optional via cable)
- ▶ 2 x rear COM ports, (1 x RS232, 1x optional RS232/422/485 jumper selectable via cable)
- ▶ 1 x VGA DB-15 connector
- ▶ 2 x LAN RJ45 Ethernet
- ▶ Optional PS/2 keyboard/mouse via cable

EMC TESTING AND APPROVALS

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

MECHANICALS

- ▶ 4U 19" Rackmount Standard
- ▶ Heavy duty cold rolled electroplated steel
- ▶ Dimensions: 430(W) x 175(H) x 459(D) mm
- ▶ Packaging size: 650(W) x 580(H) x 400(D) mm
- ▶ Cooling: 2 x 92mm fan
- ▶ Optional Air filter: removable (washable)
- ▶ Weight: approximately 14kg
- ▶ Optional Anti-shock/vibration drive mounting
- ▶ Optional lockable front panel doors

ENVIRONMENTALS

- ▶ Temperature (operating) - Up to 45°C depending on processor and cooling configurations
- ▶ Temperature (storage) -20°C to 70°C

POWER

- ▶ 300W, 115 / 230 VAC nominal input voltage
- ▶ 400W
- ▶ Active PFC
- ▶ Short circuit protection

