

# Transduction

## TR-MCX

## PICMG 1.3 Single Board Computer

### TR-MCX Single Board Computer



#### Features

- ▶ Dual or Quad-core Intel® Xeon® processors with independent FSB support.
- ▶ Intel® 5000P chipset.
- ▶ Quad channel DDR2-667 memory interface up to 16GB.
- ▶ Ultra ATA/100 and Serial ATA/300 interfaces.
- ▶ Dual USB 2.0 interfaces.
- ▶ Dual full-speed 10/100/1000 Base-T ethernet interfaces.
- ▶ SXGA interface.

### TR-MCX

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#### Specification

##### Processor

- ▶ Dual-Core Intel® Xeon™ processors 1.6GHz-3.0GHz
- ▶ Quad-Core Intel® Xeon™ processors 1.66GHz-2.66GHz
- ▶ Quad-Core Intel® Xeon™ processors 2.0GHz-3.0GHz

##### Chipset

- ▶ Intel® 5000P

##### Memory

- ▶ Quad channel DDR2-667/533 ECC fully buffered DIMM interface up to 16GB

##### LAN

- ▶ 2x 10/100/1000 Base-T Ethernet, RJ-45 connectors in the I/O bracket

##### Video

- ▶ ATI® ES1000 2D/3D video controller
- ▶ Provides 16MB of on-board video memory

##### PCI/PCI-Express

- ▶ PCI Express Edge Connectors A & B - two x8 links, one x4 link, eight reference clocks
- ▶ PCI Express (IOB31/PCIe expansion) - one x4 link
- ▶ PCI Express (on-board) - three x4 links
- ▶ PCI (on-board only) - 32-bit/33MHz
- ▶ 1066/1033MHz FSB

##### On Board I/O

- ▶ Two Ultra ATA/100 EIDE disk drives
- ▶ Two high speed serial ports
- ▶ Enhanced bi-directional parallel interface
- ▶ 7 USB 2.0 interfaces
- ▶ PS/2 Mouse/Keyboard interface
- ▶ Floppy Drive interface

##### Watch-Dog Timer

- ▶ Supports a watchdog timer disable setting plus four timer reset ranges
- ▶ Programmable 100ms-300ms, 1s-2s, 10s-30s and 1m-3m

##### Power

- ▶ ATX +12V, 4-pin connector for Xeon +5V, +12V, +3.3V

##### Operating Temperature

- ▶ 0°C to 45°C operating range
- ▶ Relative Humidity: 5-90%, non-condensing

##### Storage Temperature

- ▶ -40°C to 70°C

**Warranty:** 3 years +10% for 5 years

##### Ordering Information

- ▶ TR-MCXT/2.33QK - Quad-Core Xeon 2.33GHz
- ▶ TR-MCXT/2.0QK - Quad-Core Xeon 2.0GHz
- ▶ TR-MCXT/2.33DK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXT/2.0DK - Dual-Core Xeon 2.0GHz
- ▶ TR-MCXT/2.33LK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXI/2.33QK - Quad-Core Xeon 2.33GHz
- ▶ TR-MCXI/2.0QK - Quad-Core Xeon 2.0GHz
- ▶ TR-MCXI/2.33DK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXI/2.0DK - Dual-Core Xeon 2.0GHz
- ▶ TR-MCXI/2.33LK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXTE2.33QK - Quad-Core Xeon 2.33GHz
- ▶ TR-MCXTE2.0QK - Quad-Core Xeon 2.0GHz
- ▶ TR-MCXTE2.33DK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXTE2.0DK - Dual-Core Xeon 2.0GHz
- ▶ TR-MCXTE2.33LK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXIE2.33QK - Quad-Core Xeon 2.33GHz
- ▶ TR-MCXIE2.0QK - Quad-Core Xeon 2.0GHz
- ▶ TR-MCXIE2.33DK - Dual-Core Xeon 2.33GHz
- ▶ TR-MCXIE2.0DK - Dual-Core Xeon 2.0GHz
- ▶ TR-MCXIE2.33LK - Dual-Core Xeon 2.33GHz