



## BCT2040 PICMG 1.0 SINGLE BOARD COMPUTER

### KEY FEATURES

- ▶ Intel® Q945 Chipset, 1066/800/533 MHz FSB
- ▶ Dual-channel DDR2 Memory Architecture
- ▶ Integrated Intel® GMA 3000 Graphics
- ▶ Dual Gigabit Ethernet
- ▶ 2 SATA 300 Ports, 1 PATA Port
- ▶ 4 COM Ports, 4 USB 2.0 Ports

### Processor

- ▶ CPU LGA 775 Package - Intel® Core™ 2 Duo E6000, E4000 Series, Intel® Pentium® Dual Core™ - E2000 Series
- ▶ AMI BIOS with 8 Mb Flash EEPROM
- ▶ System Chipset Intel® Q965 + ICH8DO, FSB 1066/800/533 MHz

### Memory

- ▶ Dual channel DDR2 533/667/800 SDRAM up to 4 GB

### Storage

- ▶ 1 x Parallel ATA IDE port with UDMA 33, ATA-66/100 support
- ▶ 4 x Serial ATA 300 ports
- ▶ RAID 0, 1, 5, 10 function

### System I/O

- ▶ Onboard programmable 8-bit Digital I/O interface
- ▶ IrDA 1.0 compliant
- ▶ 1 x Floppy connector
- ▶ 4 x Serial ports (4 x int / One RS-232/422/485 selectable )
- ▶ USB 4 x USB 2.0 ports ( 2 x ext, 2 x int )
- ▶ PS/2 1 x Keyboard, 1 x Mouse by header

### Ethernet

- ▶ Dual Marvell® 88E8053 PCI Express™ Gigabit IEEE 802.3 10BASE-T/100BASE-TX/1000BASE-T
- ▶ Dual RJ-45 connectors with two LEDs indicators

### Graphics and Audio

- ▶ Intel® Q965 Integrated Intel® GMA 3000 Graphics
- ▶ Display Memory Intel® DVMT 4.0 supports up to 256 MB Video Memory
- ▶ Resolution Analog display : up to 2048x1536@ 75 Hz (QXGA)
- ▶ Display Interface DSUB-15 connector for VGA output

### System Management

- ▶ Watchdog Timer Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
- ▶ H/W Status Monitor monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats

### Mechanical & Environmental

- ▶ ATX Power - +12V @10A ,+5V @ 6A ,5VSB @ 500mA - 12V@100mA
- ▶ Power Type - ATX Power
- ▶ FAN Connector - 1 x CPU, 1 x SYS, 1 x Power with DC 12V
- ▶ Operating Temperature - 0~60°C (32~140°F)
- ▶ Operating Humidity - 10%~90% relative humidity, noncondensing
- ▶ Size (L x W) 13.33" x 4.8" (338.6mm x 122mm)
- ▶ Weight 0.93 lb (420g)