



## BCT5041 PICMG 1.3 SINGLE BOARD COMPUTER

### KEY FEATURES

- ▶ Intel® Core™ 2 Duo Desktop / Pentium® 4 / Celeron® D processor in an LGA775 Socket
- ▶ Intel® 945G Chipset, 1066/800/533 MHz FSB
- ▶ Dual-channel DDR2 Memory Architecture
- ▶ Integrated Intel® GMA 950 Graphics
- ▶ Two SATA 300 Ports, One PATA Port
- ▶ Two COM Ports, Four USB 2.0 Ports

### Processor

- ▶ CPU LGA 775 Package - Intel® Core™ 2 Duo E6000, E4000 Series, Intel® Pentium® Dual Core™ - E2000 Series
- ▶ BIOS Award BIOS with 4 Mb Flash ROM
- ▶ System Chipset Intel® 945G + ICH7R, FSB 1066/800/533 MHz

### Memory

- ▶ Dual channel DDR2 533/667 SDRAM up to 2 GB

### Storage

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

### System IO

- ▶ Floppy 1 x Floppy connector
- ▶ Parallel 1 x Parallel connector
- ▶ Serial 2 x Serial ports ( 2 x int )
- ▶ USB 4 x USB 2.0 ports ( 2 x ext, 2 x int )
- ▶ PS/2 6-pin mini-DIN for PS/2 KB & Mouse

### Ethernet

- ▶ Gigabit Ethernet Controller Intel® 82573L
- ▶ RJ-45 connectors with two LEDs indicators

### Graphics and Audio

- ▶ Graphics Controller Intel® 945G Integrated Intel® GMA 950
- ▶ Display Memory Intel® DVMT3.0 up to 256 video memory
- ▶ Resolution Up to 2048 x1536 @ 75 Hz (QXGA)
- ▶ Display Interface DSUB-15 connector for VGA port
- ▶ Audio Interface AC97 Interface reserved by pin-header

### 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

- ▶ Power Requirement: +5V @ 3.92 A, +3.3 V @ 0.73 A, +12 V @ 8.23 A, -12 V @ -0.06 A, 5 Vsb @ 0.08 A
- ▶ 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 4.98" (338.6mm x 126.4mm)
- ▶ Weight 0.93 lb (420g)