



Features

- ▶ Supports Intel Core 2 Quad, Core 2 Duo, Celeron D processor with 800/1066/1333MHz FSB.
- ▶ 2 x DDR2-800 DIMM sockets supports up to 4GB.
- ▶ Intel Q35 integrated GMA3100 graphic engine.
- ▶ Dual Gigabits LAN maximize communication bandwidth.
- ▶ Realtek ALC888 high-definition audio chip on-board.
- ▶ Multiple I/O functions - 6 x USB 2.0 ports, 2 x COM ports, 6 x SATA, 1x IrDA, 1 x PIDE, 1 x LPT and 1 x FDD.
- ▶ 6 x SATA-II ports support RAID0, RAID1, RAID5, RAID10 and Legacy IDE mode.
- ▶ Standard PICMG 1.0 form factor.
- ▶ Multiple displays - CRT, DVI, Dual 24-bit LVDS LCD.
- ▶ Programmable watchdog timer for 1 ~ 255 seconds.
- ▶ Actual MTBF > 100,000 hours.
- ▶ Perfect board to upgrade existing PICMG 1.0 computer systems.

TR-980

Specification

Processor

- ▶ Intel Core 2 Quad, Core 2 Duo, Celeron D processor with 800/1066/1333MHz FSB

Processor Socket

- ▶ LGA 775 Socket

Chipset

- ▶ Intel Q35 and ICH9DO

Memory

- ▶ Two DDR2 667/800 DIMM sockets supports up to 4GB non-ECC memory

BIOS

- ▶ Award Standard PnP Flash BIOS 6.0
- ▶ 8Mbit FlashROM with BootBlock for fail-safe

GigaBits LAN

- ▶ Two Realtek RT8111C on board for Dual Gigabits LAN support
- ▶ Supports Wake-on-LAN, remote boot with PXE and RTL

Video

- ▶ Intel Q35 integrated GMA3100 graphic engine
- ▶ Supports DVMT 4.0 for memory allocation up to 256MB
- ▶ One D-Sub connector on rear panel for CRT display
- ▶ One 20-pin connector for DVI displays
- ▶ One 40-pin connector to support up to Dual 24-bits LVDS LCD

On Board I/O

- ▶ Winbond 83627HF LPC I/F Super I/O chip
- ▶ Two serial ports as COM1 ~ COM2 is RS-232/422/485 selectable by jumper
- ▶ One parallel port supports SPP/ECP/EPP mode
- ▶ One IrDA port, one floppy connector for up to two devices

SATA

- ▶ Six SATA-II ports support RAID0, RAID1, RAID5 and RAID10
- ▶ One PIDE 40-pin connector supports two devices and up to ATA133 speed

Cooling

- ▶ One CPU cooling fan connector near CPU socket
- ▶ One system cooling fan connectors for chassis or power supply cooling

Audio

- ▶ Realtek ALC888 high-definition audio chip on-board with Line-OUT, Line-IN, MIC, SPDIF, CD-IN and surrounding sounds with pin-headers

Watchdog Timer

- ▶ Programmable watchdog timer for 1 ~ 255 seconds

CMOS

- ▶ On-board RTC with 242 bytes of battery-back CMOS RAM

Form Factor

- ▶ 13.3" (L) x 4.8" (W); 338mm (L) x 122mm (W), PICMG 1.0 compliant

Operating Temperature

- ▶ 0 ~ 60°C; storage temperature -40 ~ 70°C
- ▶ Relative humidity - 5 ~ 95%, non-condensing

Power requirement

- ▶ One 4-pin power connector for system power
- ▶ One ATX-12V 4-pin connector for CPU power
- ▶ Supports both AT and ATX mode

Compatible with all Windows including Vista & Windows NT, Linux & QNX

Ordering Information

TR-980 PICMG SBC with VGA/DUAL-LAN/AUDIO/LVDS/SATA + Intel Processor

Warranty: 3 years / 5 years + 10% initial cost