

# Transduction

## TR-950

## Intel Pentium III and Celeron

### TR-950 Full-Size Industrial SBC



#### Features

- ▶ Supports Intel Pentium III and Celeron Processor for Intel socket 370.
- ▶ 3 x 168-pin DIMM sockets supports up to 786MB SDRAM memory.
- ▶ ATI RAGEXL 2X VGA chipset supports high-performance 3-D graphics with integrated 8MB SGRAM 120MHz buffer speed.
- ▶ Multiple I/O functions - 1 x parallel, 2 x COM, 1x IrDA, 2 x EIDE, 1 x FDD, 2 x DIN and 2 x USB 1.0 ports.
- ▶ Intel 82559 10/100 Base-T Fast Ethernet Controller
- ▶ Winbond W83782 hardware monitoring system.
- ▶ Programmable watchdog timer for 10 ~ 80 seconds.
- ▶ Actual MTBF > 100,000 hours.
- ▶ Ideal replacement SBC for systems that need slower processors.

### TR-950

#### Specification

##### Processor

- ▶ Intel FC-PGA Pentium III and Celeron processor supports up to 1.1GHz 66/100MHz FSB

##### Processor Socket

- ▶ Intel Socket 370 for PPGA and FC-PGA package

##### Chipset

- ▶ Intel 440BX AGPset with PCI EIDE and RTC built-in

##### Memory

- ▶ Three 168-pin DIMM sockets supports up to 768MB SDRAM memory

##### BIOS

- ▶ Award Standard, PnP support
- ▶ FLASH EEPROM (256KB) for BIOS update
- ▶ Enhanced ACPI BIOS and DMI 2.0
- ▶ ISA plug and play (PnP) extension
- ▶ Power management
- ▶ Anit-boot virus and Intel 82559 Boot-ROM

##### Video

- ▶ ATI RAGEXL 2X 2D and 3D acceleration enging supports 8MB SGRAM
- ▶ AGP 2X mode (133MHz) offers peak bandwidth in excess of 500MB/s

##### On Board I/O

- ▶ Winbond 83977EF
- ▶ Two serial ports as COM1 ~ COM2, COM2 is RS-232
- ▶ One parallel port supports SPP/ECP/EPP mode
- ▶ Two EIDE ports supports PIO mode 3/4 or Ultra DMA33 IDE Hard Disk
- ▶ One IrDA port and two FDD connectors
- ▶ Two USB ports
- ▶ 10/100Mbps LAN port

##### Power Requirement

- ▶ On-board 4-pin ATX power supply
- ▶ On-board power button header for soft power off, i.e. front panel turn off system power
- ▶ Support Windows 95 and Windows 98 shutdown automatically turn off system power
- ▶ Instant-off or delay 4 seconds, selectable via BIOS setup

##### Hardware Monitoring System

- ▶ PC health monitoring ASIC supports system power voltages, fan speed and system temperature monitoring
- ▶ One fan connector and one thermal couple header reserved for chassis fan and temperature monitoring
- ▶ CPU over-temperature beep-tone alarm or auto-shutdown, trigger temperature selectable via BIOS

##### Watchdog Timer

- ▶ Read I/O port 0443H to enable
- ▶ Read I/O port 043H to disable
- ▶ 10 ~ 80sec programmable watchdog timer

##### Form Factor

- ▶ 13.3" (L) x 4.8" (W); 338mm (L) x 124mm (W) PICMG 2.0 compliant

##### Operating Temperature

- ▶ 0 ~ 60°C (32 ~ 140°F)
- ▶ Relative humidity - 5 ~ 95%, non-condensing

##### Storage Temperature

- ▶ -40 ~ 70°C (-40 ~ 158°F)

**Compatible with DOS, Windows 3.x, Windows 95, Windows 98, Windows NT, Windows 2000, and OS/2**

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