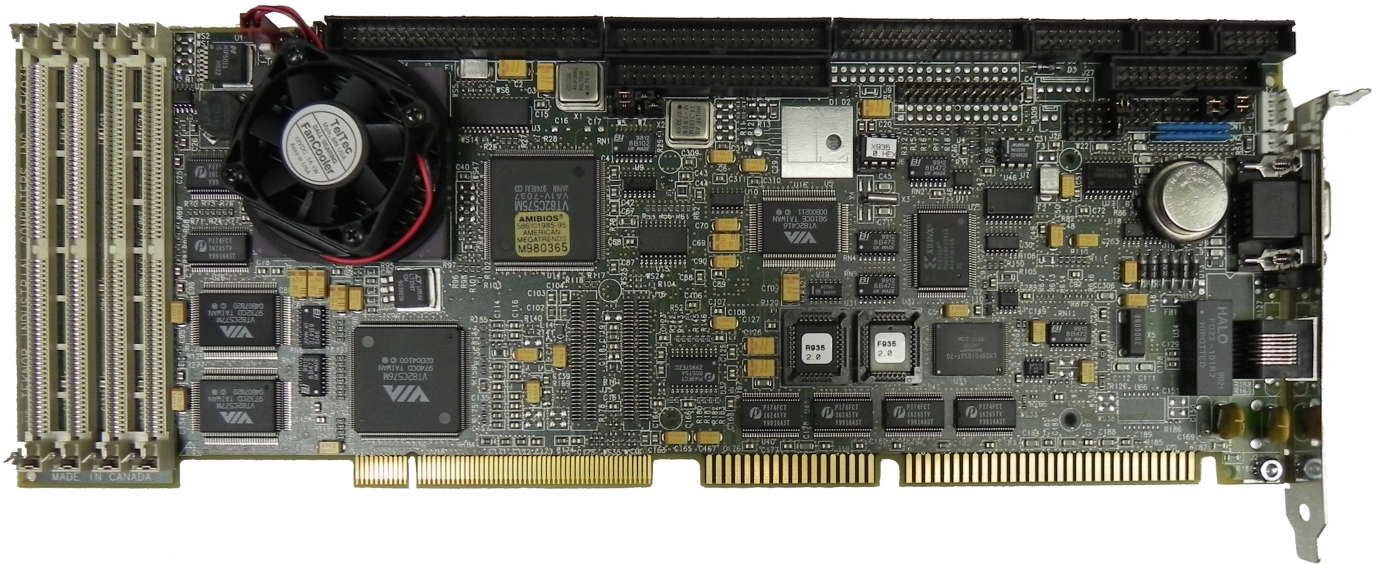


Transduction

Intel P54C 133MHz Processor

TR-935

TR-935 Industrial PICMG 1.0 Single Board Computer



Features

- Intel Pentium P54C 133MHz processor based on the Via Apollo Master chipset, Socket 7 (PGA321) socket.
- 4 x 72-pin EDO DRAM SIMM sockets, supports up to 256MB memory.
- Cirrus Logic CL-GD546X graphics processor with PCI local bus ; 2MB video memory with 500MHz transfer rate.
- Multiple I/O functions: 1 x CRT (VGA) port, 2 x RS232 ports, 1 x LPT (parallel) port, 1 x 10Base-T ethernet port.
- SCSI interface; PCI to Fast SCSI II Symbios 53C810 controller.
- Standard PICMG 1.0 factor.
- Compatible with DOS, Windows 3.1, OS/2, Windows 95, UNIX and QNX.
- 0 ~ 50°C (32 ~ 122°F), 60°C (140°F) for 2 hours operating temperature with full software load.
- Actual MTBF >110,000 hours

TR-935

Specification

Processor

- Intel P54C 133MHz

Processor Socket

- Socket 7 (PGA321)

Chipset

- Via Apollo Master

Memory

- 4 x 72-pin SIMM sockets, up to 256MB EDO DRAM
- Cache: 256KB standard or 512KB option; write-through/write-back
- Flash Disk: 2 or 4MB optional; 4KB serial NOVRAM

BIOS

- AMI BIOS

Ethernet

- 10Base-T
- Bus master mode with DMA burst
- PnP Compatible
- Remote boot support

Video

- Cirrus Logic CL-GD546X 64-bit graphics engine
- 1 x VGA port
- Supports CRT resolution up to 1600 x 1200, 8MB memory

On Board I/O

- 2 x RS232 ports configurable as COM1-4 with RS485 available serial port 2
- 1 x bi-directional LPT (parallel) with PC/XT, AT, PS/2, EPP and ECP modes
- 2 x enhanced IDE channels; drive up to 4 hard disks
- Interface for 2 x 1.44 or 2.88MB floppy drives

SCSI

- Symbios 53C810 controller
- Symbios RISC engine ; active terminations ; PCI Fast SCSI II, 8-bit bus
- Synchronous transfers up to 10MB/s
- Asynchronous transfers up to 5MB/s
- Full PCI-speed data transfers to host

Data Path

- 64-bit on CPU bus; 32-bit on PCI bus; 16-bit on ISA bus

Bus Interface

- PICMG: PCI rev2.1 compliant; ISA up to 20 slots; IBM PC/AT mechanical format

CMOS

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

Cooling

- One CPU cooling fan connector near CPU socket

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F), 60°C (140°F) for 2 hours
- Relative humidity 5 ~ 95%, non-condensing

Storage Temperature

- -30 ~ 70°C (-22 ~ 158°F)

Form Factor

- 338.6mm (L) x 121.9mm (W) (13.33" (L) x 4.80" (W))
PICMG 1.0 compliant

Power Requirement

- Conforms to electrical specifications in the IEEE P996 Bus Specification (PC/AT)

Compatible with DOS, Windows 3.1, OS/2, Windows 95, UNIX, QNX

Warranty: 1 year. 3 years only as complete system in Transduction chassis