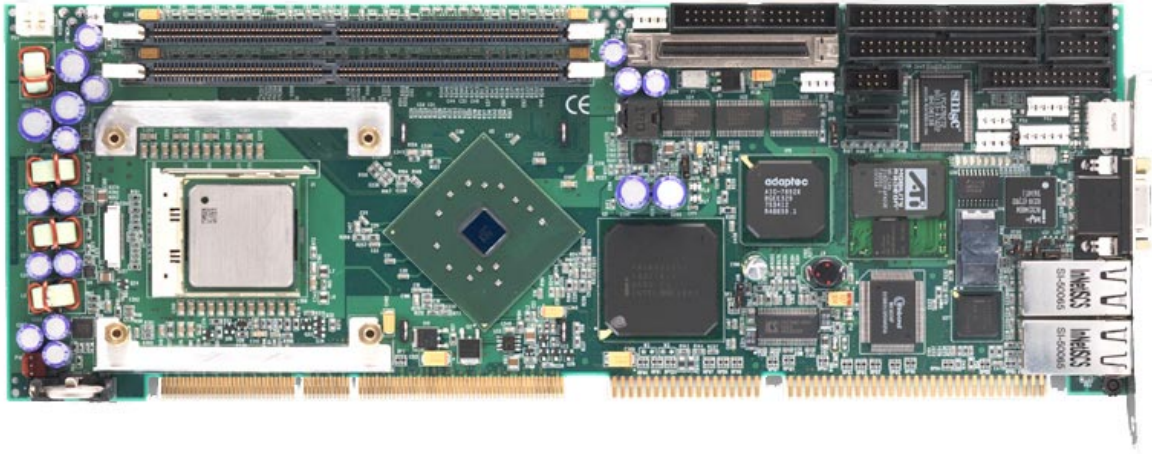


# Transduction

## TR-MX8

## Intel P4 Single Board Computer

# TR-MX8 Single Board Computer



### Features

- ▶ Intel® Pentium® 4 processor up to 3.4GHz at 800MHz FSB with 1MB L2 cache.
- ▶ Intel® 875P chipset.
- ▶ 400/533/800MHz FSB.
- ▶ Up to 2GB DDR memory.
- ▶ Intel® Performance Acceleration Technology supported with DDR400 and 800MHz FSB.
- ▶ Dual Gigabit Ethernet.
- ▶ Dual Serial ATA/150.
- ▶ Optional Ultra160 SCSI interface.
- ▶ PCI-X option card support.
- ▶ 3 years warranty + 10% for 5 years.

### TR-MX8

# TR-MX8 Single Board Computer

#### Specification

##### Processor

- ▶ Intel® Pentium® 4 processor at speeds of 2.0GHz to 3.4GHz
- ▶ Intel® Celeron processor at speeds of 2.0GHz to 2.56GHz
- ▶ Support for Intel Hyper-Threading Technology
- ▶ Processor provides either a 512K or 1MB L2 cache memory. Celeron processor has a 128K L2 cache.

##### Chipset

- ▶ Intel® 875P chipset featuring Intel® Performance Acceleration Technology (PAT)

##### Memory

- ▶ Up to 2GB Dual Channel DDR266/333/400 SDRAM ECC or non-ECC. When using one DIMM, the interface will operate as a single channel
- ▶ Single channel bandwidth 2.1GB/s, 2.7GB/s, 3.2GB/s
- ▶ Dual channel bandwidth 4.2GB/s, 5.4GB/s, 6.4GB/s

##### LAN

- ▶ Dual 10/100/1000 Base-T Ethernet, RJ-45 connectors

##### Video

- ▶ ATI M6-C16H video controller with 16MB integrated DDR video memory

##### Bus Speed

- ▶ 400/533/800MHz FSB
- ▶ ISA 16-bit/8MHz
- ▶ PCI 32-bit/33MHz, 32-bit/66MHz
- ▶ PCI-X 64-bit/33MHz, 64-bit/66MHz
- ▶ ISA bus interface supports most legacy ISA slots

##### On Board I/O

- ▶ 2 x RS-232 Serial Ports, NS 16C550 UART's
- ▶ 2 x USB 2.0, 1 x Floppy Port, 1 x EPP/ECP Parallel Port, 1 x PS/2 Keyboard / Mouse port
- ▶ Dual Ultra ATA/100 EIDE interfaces supporting up to 4 ATAPI devices
- ▶ Dual Serial ATA/150 Ports
- ▶ Optional U160 SCSI interface Adaptec AIC-7892 controller

##### Watch-Dog Timer

- ▶ Programmable watchdog timer with two operating modes
- ▶ Generate IRQ, SMI or SCI
- ▶ System reset with range of 1ms - 10min

##### Power

- ▶ ATX with +5V and 3.3V from backplane
- ▶ +12V 4-pin connector from ATX 12V for P4

##### Operating Temperature

- ▶ 0°C to 45°C
- ▶ Relative Humidity: 5~90%, non-condensing

##### Storage Temperature

- ▶ -20°C to 70°C

##### Form Factor

- ▶ 13.3" (L) (338mm) x 4.8" (H) (121.9mm) x 2.35" (W) (59.7mm)

**Warranty:** 3 years +10% for 5 years

### TR-MX8

# TR-MX8 Single Board Computer

#### Ordering Information (*PLEASE SPECIFY IF SCSI IS REQUIRED*)

- ▶ TR-MX8-800-3.4-1M P4 3.4GHz 1MB cache 800MHz FSB
- ▶ TR-MX8-800-3.4-512 P4 3.4GHz 512K cache 800MHz FSB
- ▶ TR-MX8-800-3.2-1M P4 3.2GHz 1MB cache 800MHz FSB
- ▶ TR-MX8-800-3.2-512 P4 3.2GHz 512K cache 800MHz FSB
- ▶ TR-MX8-800-3.0-1M P4 3.0GHz 1MB cache 800MHz FSB
- ▶ TR-MX8-800-2.8-1M P4 2.8GHz 1MB cache 800MHz FSB
  
- ▶ TR-MX8-533-3.06-512 P4 3.06GHz 512K cache 533MHz FSB
- ▶ TR-MX8-533-2.8-512 P4 2.8GHz 512K cache 533MHz FSB
- ▶ TR-MX8-533-2.4-512 P4 2.4GHz 512K cache 533MHz FSB
  
- ▶ TR-MX8-Celeron-2.8-256 Celeron 2.8GHz 256K cache 533MHz FSB
- ▶ TR-MX8-Celeron-2.5-128 Celeron 2.5GHz 128K cache 400MHz FSB
- ▶ TR-MX8-Celeron-2.0-128 Celeron 2.0GHz 128K cache 400MHz FSB