

Transduction

ensuring the highest quality since 1975

TR-MAX4

Guaranteed supply until year 2017

TR-MAX4 Reliable Industrial PC



Reliable Industrial PC with Single Board Computer for trouble free operation and ease of service

TR-MAX4 desktop or Panel Mount PC has robust industrial design, built from only top-quality, industrial-grade components. The new PC has 6 slot backplane ISA/PCI expansion slots and strong rigid structure of the metal chassis. The chassis, as well as all components, are RoHS Compliant. It can be used as a vertical tower, horizontal PC or a panel mount PC.

TR-979 Single Board Computer guarantees compatibility with ISA legacy cards that need bus-master control. Dual Channel Memory bus doubles the data rate up to 6.4Gb/s. The SBC supports remote wake up on LAN and Modem. The Boot Agent for both RPL and PXE protocols is integrated into system BIOS.

Designed for use in power utilities, industrial process control and automation, the TR-MAX4 PC can be configured with a variety of power supply options: 110/220 VAC or 12, 24, 48, 125, 250 VDC. Excellent Cooling and Air Flow Characteristics ensure long-term reliability.

Powered by Intel 3.0GHz Pentium 4 processor with 1MB Cache/800 FSB, this system can be supplied with a full-size CD/DVD-RW, floppy drive and optional solid state drive. Two hard drives can be included with RAID1 ATA100 controller for redundant operation. Easily replaceable front fan filter protects system in dusty environments.

Standard features include 2 serial ports (one is RS232/422/485 selectable), printer port, 3 USB ports and SVGA output. Dual Intel Gigabit Ethernet controller on board boost networking throughputs to 4 Gb/s.

TR-MAX4 is compatible with all versions of QNX, LINUX and Windows, including Windows NT. Available versions: the rubber feet (installed vertically or horizontally) and Panel mount.

The PC is expandable to adapt to client requirements.

Actual MTBF > 100,000 hours, 3 years warranty, + 10% for 5 years.

Longevity: guaranteed supply until 2017.

Always in stock.

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SPECIFICATIONS:

- **Desktop or Panel Mount Industrial PC**
- **Processor:** Socket 478 for Intel Pentium 4 3.0GHz with 800MHz fsb, cache 1MB
Support for Hyper Threading
- **INTEL 865 Chip Set**
- **System Memory:**
2x184-pin DIMM sockets
Max capacity: Up to 2GB DDR
- **Expansion slots:**
Six slot backplane with one PICMG CPU card
2 PCI, 3 ISA, 1 SBC, 2 ISA with bus-master control or 6 ISA slots
- **Drive Bay:**
2 x 3.5" HDD (RAID1 OK) or Flash Solid State Disk
1 x 3.5" Floppy Drive Bay
1 x 5.25" DVD-ROM /CD-RW
- **SVGA: INTEL 82865G 16MB**
1600 x 1200 x 32-bit @ 60Hz
- **Ethernet:**
2 x Intel Pro 100/1000+ Mbps Fast Ethernet ports with throughput up to 4Gb/s
- **SSD:** Supports SATA Flash Disk up to 120GB
- **Watchdog timer:** 1 ~ 256 sec
- **Air Flow:** Optimized air flow with 62 CFM (card cage) and 43 CFM (power supply) quality NIDEC fans. Adaptive speed fan control. Adaptive temperature controller installed on Air Chamber
Support for minimal intake of dust
- **IO:**
1 x external SVGA DB15
2 x Serial RS-232 Ports (422/485)
1 x Parallel Printer Port
1 x bootable front USB port
2 x rear access USB ports
2 x RJ-45 LAN Jacks
PS/2 Keyboard/mouse connectors
- **Software Compatibility:**
QNX, LINUX, all versions of Microsoft Windows, Windows NT, 2000, XP and Vista.
- **Power Supply:**
Output rating: 300W
Input voltage: 100~240VAC @ 47/63Hz
Optional DC input power: 12V, 24V, 48V, 125V, 250V
MTBF: 100,000 hours
Regulatory/Safety: ULC/FCC/CE compliant
- **System Monitor** features include processor temperature, system temperature & DC power voltages
- **Chassis Colors:** Yellow zinc finish, OEM color optional
- **Environmental Specifications:**
Operating Temperature: 0° ~ 50°C (32 ~ 122° F)
Relative Humidity: 5 ~ 85%
- **OEM Specifications Welcomed**
- **Warranty: 3 years, + 10% for 5 years**

ADDITIONAL OPTIONS AVAILABLE:

- Solid Flash SATA Hard Drive up to 120GB
- SATA RAID1 Option
Promise SATA RAID controller and two Seagate 7200RPM Barracuda hard drives
- DC Power Supply Option
DC 12, 24, 48, 125, 250V, 150W

ORDER:

- TR-MAX4 desktop version
- TR-MAX4 Panel Mount version
- TR-FM45 - filter kit of 5