Transduction

Guaranteed Supply Until Year 2020

TR-MAX4-P4

TR-MAX4-P4 Industrial Computer w/ TR-979 SBC

Reliable Industrial PC with TR-979 Single Board Computer For Trouble Free Operation and Ease of Service

TR-MAX4-P4 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/800FSB, this system can be supplied witha 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 replacable 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-P4 is compatible with all versions of QNX, LINUX and Windows, including Windows 7. 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.

Longevity: guaranteed supply until 2020. Always in stock.

Also check the TR-MAX4-C2D/C2Q and TR-MAX4-PCIe

TRANSDUCTION 5155 Spectrum Way, Bldg 23, Mississauga, ON L4W 5A1
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Specification

Model
- TR-MAX4-P4 Industrial desktop or panel mount computer

Processor
- 3.00GHz Intel Pentium 4 processor for socket 478 with 800MHz FSB, cache 1MB - support for hyper threading

Memory
- 2 x 184-pin DIMM sockets
- Max capacity: up to 2GB DDR

Expansion Slots
- Six slot backplane with one PICMG CPU card
- 2 x PCI, 3 x ISA, 1 x SBC, 2 ISA with bus-master control or 6 x 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-R/W

SVGA
- Intel 82865G 16MB 1600x1200 x 32-bit @ 60Hz

Ethernet
- 2 x Intel Pro 100/1000+ Mbps Fast Ethernet ports with throughput up to 4Gb/s

Solid State Drive
- Supports high speed Flash SSD up to 256GB

Watchdog Timer
- 1 ~ 256sec

Air Flow
- Optimized air flow with 62CFM (card cage) and 43CFM (power supply) quality NIDEC fans. Adaptive speed fan control. Adaptive temperature controller installed on air chamber support for minimal intake of dust

I/O
- 1 x external SVGA DB15 port
- 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 ports
- PS/2 keyboard/mouse connectors

Operating Temperature
- 0 ~ 50ºC (32 ~ 122ºF)

Humidity
- Relative 5 ~ 85%

System Monitor
- Features include processor temperature, system temperature and DC power voltages

Humidity
- Relative humidity 10 ~ 90%, non-condensing

Power Supply
- Output rating - 300W
- Input voltage - 100~240VAC @ 47/63Hz
- Optional DC input power - 12V, 24V, 48V, 125V and 250V
- MTBF - 100,000 hours
- Safety - ULC/FCC/CE compliant

EMI
- Compliant with FCC Class B

OEM Specifications Welcomed

Warranty
- 3 years

Additional Options
- Solid Flash SATA drive up to 256GB
- SATA RAID1 option - Promise SATA RAID controller and two Seagate 7200RPM Barracuda hard drives
- DC power supply option - 12V, 24V, 48V, 125V and 250VDC 150W

Compatible with QNX, LINUX, all versions of Microsoft Windows NT, 2000 and XP.

Also see TR-MAX4-C2D/C2Q with Core 2 Duo or Core 2 Quad processors.

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