
Guaranteed Supply Until Year 2020

TR-MAX4-i7/i5/Xeon

TR-MAX4-i7/i5/Xeon Industrial Computer w/ TR-999 SBC

Reliable Industrial PC with TR-999 Single Board Computer For Applications Where Security, Display and Computing Performance are Critical

TR-MAX4-i7/i5/Xeon desktop or panel mount PC has robust industrial design, built from only top-quality, industrial-grade components. The new PC has 6 slot backplane PCI/PCIe expansion slots and strong rigid structure of the metal chassis. The chassis, as all components, are RoHS Compliant. It can be used as a vertical tower, horizontal PC or a panel mount PC.

TR-999 Single Board Computer guarantees compatibility with PCI and PCIe option cards. The SBC supports up to 8GB DDR3 1066/1333MHz SDRAM dual channel memory and dual independent displays by VGA and DVI-D.

Designed for use in power utilities, industrial process control and automation, the TR-MAX4-i7/i5/i3 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 Core i7, i5 or Xeon processors, this system can be supplied with a full-size CD/DVD-RW, floppy drive, hard drive or 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, 5 USB ports and SVGA output. Dual Intel Gigabit Ethernet controller on board boost networking throughputs to 4 Gb/s.

TR-MAX4-i7/i5/Xeon 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.

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Specification

Model

- TR-MAX4-i7/i5/Xeon Industrial desktop or panel mount computer

Processor

- Up to 3.4GHz 3rd generation Intel Core i7 (quad), i5 (quad) or Xeon processor

Memory

- 2 x 240-pin DIMM sockets
- Max capacity: up to 8GB DDR3

Expansion Slots

- Six slot backplane with one PICMG CPU card
- 3 x PCI, 1 x PCIe x4, 1 x PCIe x16 and 1 x SBC

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 Q67 chipset built-in Gfx Gen. 5.7

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 512GB with auto-correction of bad blocks

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 front access USB port
- 4 x rear access USB ports
- 2 x RJ-45 LAN ports
- PS/2 keyboard/mouse connectors

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F)

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 512GB
- RAID1 disk backup
- DC power supply option - 12V, 24V, 48V, 125V and 250VDC

Compatible with QNX, LINUX, all versions of Microsoft Windows 2000, XP, VISTA and 7.