

Transduction

Up to 3.4GHz i5/i7 or 8-Core Xeon Intel Processors

TR-MAX4-IXP

TR-MAX4-IXP Server Class Computer in Small Enclosure



Industrial Server-Class Computer with TR-7053 or TR-7059 System Host Board For Applications Where Security, Display and Computing Performance are Critical

The popular TR-MAX4 industrial computer can be used as a small tower, desktop to panel mount. It can now be supplied with fast, latest generation quad core Intel i5/i7 and dual eight core Xeon processors. For added reliability it can also be supplied with parity memory, dual hot swap 300W power supply and dual hot SWAP RAID1 SATA disk subsystem.

With memory size up to 96GB and SATA RAID1 disk controller that is independent of the software used (no need for special driver), the TR-MAX4 computer matches performance of many computer servers and it fully compatible with Windows XP, Windows 7, Windows Vista, Windows 2003/2008, LINUX and QNX 6.4.1 operating systems.

Priced from \$1500 this reliable industrial computer comes with 3 years warranty, which can be extended to 5 years for 10% of the purchase price.

Existing TR-MAX4 computers can be upgraded to offer more processing speed with replacement of the single board computer that has Intel processor(s) of your choice.

To assure maximum reliability in the industrial environments only selected proven components are used including polymeric capacitors on the single board computer. The MTBF estimate based on service records is in excess of 100,000 hours, which is over 10 years.

In addition to the latest generation processors from Intel, TR-MAX4 can also be supplied with older P3 and P4 Intel processors for clients who use ISA legacy add-on cards and Microsoft DOS 6.22 O/S.

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Specifications

Model

- TR-MAX4-IXP Industrial desktop, tower or panel mount computer

Processor

- Up to 3.4GHz latest generation Intel Core i7 (quad), i5 (quad) or dual eight core Xeon processors

BIOS

- AMI Aptio 4.x

Memory

- 4 x 1600/1333 DIMM sockets
- Max capacity: up to 96GB 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 Bays

- 2 x 2.5" HDD (RAID1 OK) or 2 x MLC/SLC SSD's
- 1 x SLIM DVD-R/W

SVGA

- Intel chipset C206 (Intel chipset C604 - using TR-7059 SHB)

Ethernet

- 2 x Intel Pro 100/1000+ Mbps Intel Ethernet ports

Disk Drive

- 2 x high speed Flash SSD up to 512GB with auto-correction of bad blocks or 2.5" 500GB HDD's

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

IRIG Time Code Receiver

- Optional IRIG A/B time sync module with BNC connector

I/O

- 1 x external SVGA DB15 port
- 2 x serial RS-232 ports (422/485) - using TR-7053 SHB
- 1 x parallel printer port
- 1 x front access USB port
- 6 x rear access USB ports
- 2 x RJ-45 LAN ports
- PS/2 keyboard/mouse connectors - using TR-7053 SHB

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F), 60°C (140°F) for 2 hours

System Monitor

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

Humidity

- Relative humidity 10 ~ 90%, non-condensing

Power Supply

- Dual hot swap
- Output rating - 500W
- Input voltage - 100~240VAC @ 47/63Hz
- Optional DC input power - 12V, 24V, 48V, 125V and 250V

Regulatory

- EMI compliant with FCC Class B
- Safety - ULC/FCC/CE compliant
- MTBF - 100,000 hours

Shock & Vibration

- Shock 50G, Vibration 5G

Warranty

- 3 years or 10% of purchase price for 5 years

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Specifications (Cont'd)

Dimensions

- 16.050" (L) x 6.627" (W) x 10.786" (H) (40.77cm (L) x 16.83cm (W) x 27.40cm (H))

Weight

- 29.8lbs (13.5kg)

Options

- i5, i7 or dual eight core Xeon processor
- SSD MLC/SLC up to 512GB or 2.5" HDD
- TR-MR2 redundant disk SATA RAID1 subsystem
- DC power supply option - 12V, 24V, 48V, 125V and 250VDC
- Dual hot swap 120VAC/125VDC power supply
- IRIG A/B time sync module with BNC connector
- Watchdog timer with "C" contacts relay

Compatible with QNX, LINUX, all versions of Microsoft Windows 2000, Windows 2003/2008, XP, VISTA and 7.

