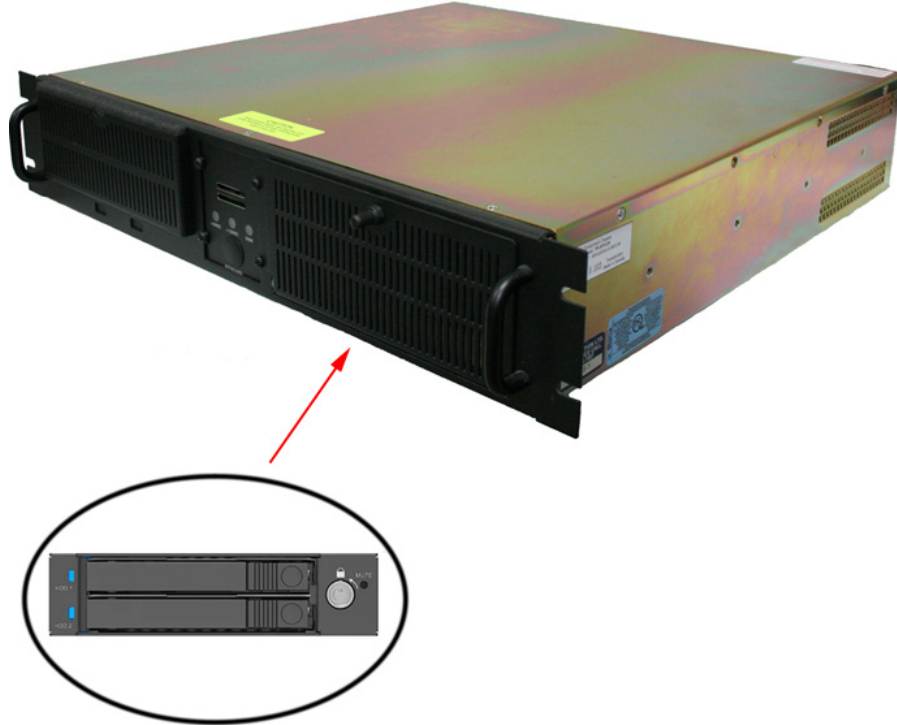


Transduction

Intel 9th Gen. 8-Core Xeon Processor

TR-XEON

TR-XEON Reliable 2U Industrial Server Rack Mount Computer



Features

- 8-core computing with intel 9th Generation Xeon processor.
- Intel Xeon E-series processor up to 5.0GHz.
- Integrated Intel C246 chipset, available until the year 2032.
- 2 x DDR4 2666MHz DIMM sockets, up to 32GB ECC memory.
- PCI and PCIe full expansion slots.
- Front filtered air fans for good air flow.
- 500W dual hot swap power supply.
- Dual hot swap storage canister with RAIDON SATA iR2975 device. It has 4 mode options - RAID1, RAID0, JBOD and SPAN (BIG)
- 24, 48, 125 and 250VDC power supply options.
- Optional chassis slides.
- ISO 9001:2015 QA program.
- MTBF > 100,000 hours.
- 3 years warranty. with technical support for life.

TR-XEON

TR-XEON Reliable 2U Industrial Server Rack Mount Computer

Specifications

Model:

- TR-XEON 2U industrial server rack mount computer designed for reliable operation

Processor

- Intel Xeon E-series up to 5.0GHz

Chipset

- Intel C246 - available until Q2 2032

BIOS

- AMI BIOS

Memory

- 2 x DDR4 2666MHz up to 32GB

Gigabit LAN

- 1 x Intel I219LM LAN
- 1 x Intel I210AT LAN

Graphics

- Intel UHD Graphics P630
- 1 x DVI-D, 1 x DVI-I

Expansion Slots

- Full size: 3 x PCI, 1 x PCIe x16 and 1 x PCIe x4

Real Time Clock

Lithium Battery Backup

Storage

- Fast NVMe option socket
- High speed 128GB SATA SSD with POWER-GUARD or 2TB Seagate SATA hard drive.
- Optional RAID/JBOD/SPAN with RAIDON iR2975 device with SSD or hard drives.

I/O Ports

- 4 x USB3.0 front ports
- Optional 2 x USB2.0 rear ports
- Up to 4 x RS232 and 1 x RS232/422/485 ports
- Up to 3 x Digital I/O (4 IN / 4 OUT)

Watchdog Timer

- Generates system reset: 256 levels

TPM

- TPM 2.0

Audio

- Intel PCH HD audio controller + Realtek ALC662 w/ 5.1 channel

Power Supply

- Universal AC 500W dual hot swap 50/60Hz
- 24V, 48V, 125V and 250V DC power options

Operating Temperature

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

Operating Humidity

- 10 - 90% RH, non-condensing

Storage Temperature

- -20~60°C (-4~140°F)

Storage Humidity

- 40% RH

Warranty: 3 years

Compliance

- ESA, FCC Class A/B, CE, Nuclear, Seismic
-

QA Standard

- ISO 9001:2015

Weight

- 15kg (33.1lbs)

Dimensions

- 19" rack mount (D) x 3.5" (H) x 17" (L)

Attention: Needs optional shelf support or chassis slides to support weight.

Shipping Weight

- 17kg (37.5lbs)
- Shipping carton to standard ASTM-D3951

Transduction

Intel 9th Gen. 8-Core Xeon Processor

TR-XEON

TR-XEON Reliable 2U Industrial Server Rack Mount Computer

Shipping Dimensions

- 24" (D) x 9" (H) x 24" (L)

Options

- Fast NVMe drive up to 1TB
- DC power supply options - 24, 48, 125 and 250VDC
- IRIG A/B precision time sync module
- 24" chassis slides with 6" extender for total of 30"
- RAID0/RAID1/JBOD/SPAN with RAIDON iR2975 device
- Additional LAN ports



SAFE MODE

RAID 1

To maximize data protection. Data is written identically to both drive (Mirror) simultaneously. In the event of a drive failure, the second drive will take over. RAID 1 provides the highest level of protection in hard drive storage.

SPEED MODE

RAID 0

To maximize data performance and add multiple drive capacity into one big volume. Data is distributed across multiple drives simultaneously to increase the performance. RAID 0 provides the highest RAID performance with no data redundancy nor fault tolerance.

BIG MODE

BIG MODE

In this mode, you can install two disks that have different volumes, add two drives capacity into one big volume. There is no special safety or speed differences.

JBOD MODE

JBOD MODE

In this mode, you can install two disks that have different volumes and use them independently. There is no RAID configuration and without special safety or speed differences.