

### TR-MAXIM-JF

TR-MAXIM-JF Server Class Panel/Desktop Computer



TR-MAXIM-JF computer with Intel JASPER FOREST Dual or Quad Xeon processors and Intel 3420 Platform Controller Hub (PCH) offers great improvement in terms of high performance and cost in comparison to the older technologies.

TR-MAXIM-JF offers server class power in a small footprint designed for panel or desktop operations. This computer includes telecom quality microATX motherboard with sockets for 2 JASPER FOREST Xeon processors from Intel and sockets for up to 48GB of parity memory with ECC. Expansion slots include 2 x PCIe and 1 x PCI slots.

TR-MAXIM-JF provides front accessible dual hot swap canisters and SLIM CD/DVD-R/W. Two additional 2.5" drives can be installed on the internal bracket.

Adaptive air fan temperature controller and high quality front filter protect the fine internal heat sink fins from clogging up with dust and maintain optimal air flow inside the computer.

Reliable dual hot swap 550W power supply provides redundant power for this system.

This computer is compatible with Windows and Linux operating systems.

Warranty is 5 years with technical support for life. This is a high longevity product.

### TR-MAXIM-JF

#### Specification

##### Model

- TR-MAXIM-JF NEMA 4 server class industrial panel/desktop computer with Dual/Quad Core Xeon processors

##### Processors

- Intel Xeon JASPER FOREST single or dual, dual core or quad core up to 2.53GHz

##### Chipset

- Intel 3420 Platform Controller Hub (PCH)

##### BIOS

- AMI Aptio 4.x

##### Memory

- 48GB max. using 8GB DDR3 Mini-DIMMs

##### Ethernet

- Intel 82575 ethernet controller
- 2 x 10/100/1000Base-T I/O rear connectors

##### Video

- Video is provided by an XGI Volari Z11M Graphics Processing Unit with 8MB of video memory that supports up to 1920 x 1200 (WUXGA) with a 64K color depth. Internal video can be disabled to install custom PCIe graphics card.

##### Disk Space

- 2 x 3.5" removable disk canisters and provision for 2 x 2.5" internal hard or solid state drives - all with SATA II/300 interfaces with RAID0 and 1 support

##### I/O Ports

- 6 x USB 2.0 ports - four on the rear I/O panel and two on the front panel
- 2 x non-isolated (service) ports on rear panel
- Up to 4 additional isolated RS232C, RS422 and RS485 ports on optional PCI card
- PS2 type keyboard and mouse (service) ports
- 1 x audio port

##### Expansion Slots

- PCIe1 - PCI Express Gen 2.0, x16 mechanical/x16 electrical
- PCIe2 and PCIe3 - PCI Express Gen 2.0, x16 mechanical/x8 electrical
- PCI1 - PCI 32-bit/33MHz

**NOTE:** All PCIe card slots also support PCIe Gen 1.1 option cards

##### Operating Temperature

- 0 ~ 50°C (32 ~ 122°F) at full software load

##### Storage Temperature

- -20 ~ 70°C (-4 ~ 158°F)

##### Cooling

- 2 x 42CFM filtered redundant front air fans mounted on air chamber support and driven by adaptive temperature controller with audible alarm at 50°C (122°F)
- Xeon processors heatsinks with heat pipes have 54CFM air fans operating at speed proportional to processor load
- Each 550W hot swap power supply module has 2 x redundant 13CFM air fans

##### Humidity

- Operating: humidity 5 ~ 90%, non-condensing
- Storage: humidity 5 ~ 45% non-condensing

##### Power Supply

- Dual hot swap 550W

##### Compliance

- Electrical UL, C-UL and CE
- EMI/RFI FCC Class B and CE
- Seismic - OBE curve to match nuclear seismic specification

##### Dimensions

- 14.25" (H) X 16.25" (D) X 7" (W)
- Shipping dimensions - 13" (H) X 25" (D) X 20" (W)

##### Weight

- 37.4lbs
- Shipping weight - 44lbs

##### Warranty: 5 years

Compatible with Windows, Linux and QNX