



TRENTON SYSTEMS

High-Performance
Computers

TRC4014 Rugged Chassis

4U HEIGHT - 20" DEPTH - 12 2.5" HDDs OR SSDs

Perfect for the SWaP Conscious: Aircraft, Vessels, Vehicles & Transit Cases

14-Slot PCI Express Backplane & Single or Dual-Processor Single Board Configuration

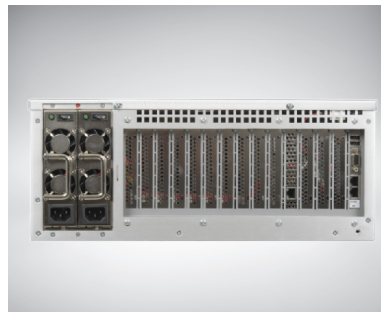
The TRC4014 4U rackmount computer is an ideal system solution for high-end data gathering, data storage, video processing and graphics in government and defense, industrial automation, and test & measurement applications. The system configuration flexibility and rugged computer design enables deployment across a wide spectrum of industries that demand longevity and robust computing performance.

PRODUCT DETAILS



Up To 12 Hot Swap Drives

Accommodates up to twelve hot swap, front access 2.5" HDD/SSD storage drives.



System Fan Control

System fan control option maximizes cooling efficiency while reducing noise.



14-Slot PCI Express Backplane

Dual or single-processor SHB or SBC options featuring the latest multi-core CPUs



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Model Number

TRC4014

Board Type

TKL8255 processor board with BPG8155 PCIe backplane or u/e/ATX motherboard

Environmental**Temperature:** -10° C to 50° C (operating) and -40° C to 70° (storage)**Humidity:** 5% to 90% non-condensing**Construction**

Lightweight Rugged Aluminum Enclosure

Data Storage Capacity

The maximum system storage capacity is drive type, individual drive capacity and system configuration dependent. The TRC4014 supports up to 8, 2.5", 15mm or 12, 2.5", 9.5mm thick drives in front access drive carriers. TRC4014 systems configured with 1TB HDDs could provide a storage capacity of up to 12TB, and about 6TB of storage capacity when using 2.5" SSDs.

Note: Maximum system storage capacity will increase as HDD/SDD storage capacity increases.

Power Supply

Rear-mounted power supply options are available in the TRC4014 and they include:

Fixed, ATX/EPS up to 1500W

– OR –

Mini-redundant, ATX up to 800W

Drive Bays

- 2 – 5.25" vertical bays can be configured to support up to 8, 15mm thick or 12, 9.5mm thick, 2.5" front removable/hot swap HDD/SDDs
- 1 – Slim-line optical media bay

Chassis Standard

EIA RS-310C 19" Rackmount Standard

Hold Down Bar

Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration environments.

Cooling

3 – 92mm Fans (center-mounted), 102 CFM each

Indicators

LEDs for HDD activity, fan speed and system power status

Dimension

- 19.0" (W) x 7.0" (H) x 20.0" (D)
- 48.3cm (W) 17.8cm (H) x 50.8cm (D)

Weight

- 23.2 Lbs. (9.08 Kg.) -- Includes chassis + dual-processor SBC + 14-slot backplane + mini-redundant power supply + a PCIe Ethernet LAN card

Final system weight is a function of the specific system configuration.

