TRENTON SYSTEMS

High-Performance Computers

TRC5005
Rugged Chassis

3U HEIGHT - 23" DEPTH - INDUSTRIAL CHASSIS

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

Accommodates up to eight hot swap, front-access storage drives

The Trenton TRC5005 is a rugged 5U rackmount computer featuring an N+1 redundant power supply, up to eight 2.5" front access or four 3.5" internal HDDs and designed to support a wide variety of single-segment PICMG 1.3 backplanes and dual- or single-processor single board computer options. The 20-slot backplane options available for use with the TRC5005 are capable of supporting up to eighteen (18), general purpose PCI Express, PCI-X or PCI plug-in option cards.

PRODUCT DETAILS

Lightweight Construction

The TRC5005 features a chassis constructed with lightweight aluminum. As low as 35 pounds.

Single or Dual Processor

Single-processor & dual-processor single board computer options available.

Up To 18 PCIe Slots

Supports up to eighteen (18), general purpose PCI Express, PCI-X or PCI plug-in option cards.

www.trentonsystems.com
Visit our website for more info.

Phone: (770) 287-3100
Email: sales@trentonsystems.com

TECH SPECS

TRC5005 RUGGED CHASSIS

Model Number

TRC5005

Board Type

Single Board Computer

Environmental

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

Chassis Standard

EIA RS-310C

Construction

Lightweight, rugged aluminum

Power Supply

2430W N+1 Redundant

Version

4 – 3.5" bay xed HDD or 8 – 2.5" front removable/hot swap HDDs
1 – Slim-line optical drive bay

8 – Front access hot swap, 2.5" HDD bays or 4 – Fixed, 3.5" HDD bays plus one media bay

Hold Down Bar

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

Cooling

Four, hot swap 92mm ball bearing fans, 102cfm each

Dimensions

- 19.0" (W) x 8.75" (H) x 23.0" (D)
- 48.3cm (W) 22.2cm (H) x 58.42cm (D)
- 34.8 Lbs (15.89 Kg.) - Includes chassis, single-processor SBC, 20-slot backplane, & the N+1 redunant power supply

Final system weight is a function of the specific system configuration