

# TRC5005

## TRENTON 5U RACKMOUNT CHASSIS - 23" DEPTH



### Trenton TRC5005 Rackmount System

Shown with a single-segment 20-slot backplane and an SBC

### FEATURES

- Extended I/O rackmount computer with a system depth of 23"
- Choice of single or dual-processor single board computer options
- 20-slot backplane options deliver extended I/O card support
- N + 1 redundant power supply delivers secure system power
- Front access hard disk drive carriers and DVD media bay
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Lightweight aluminum chassis
- Long-life server platform for extended field deployments
- Trenton enclosure, SBC and backplane designed and Made in USA

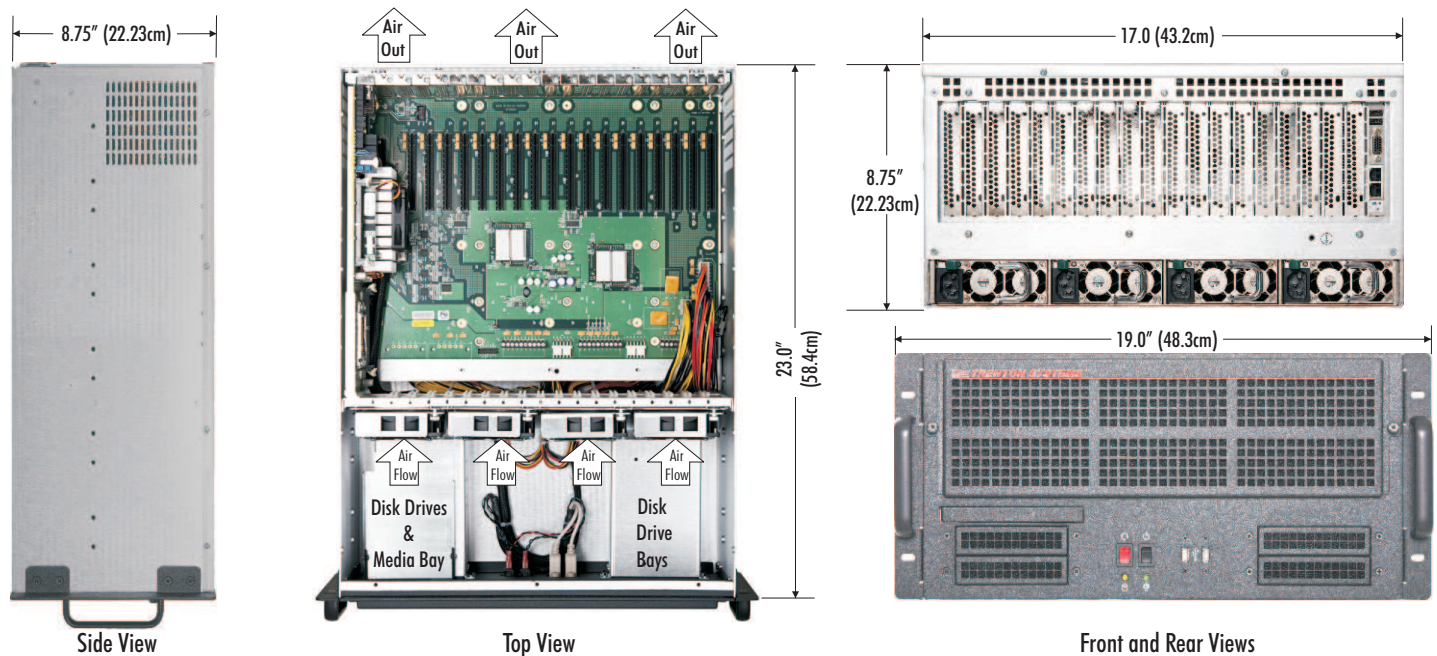


### TRC5005 OVERVIEW:

The TRC5005 is a rugged 5U rackmount computer that supports single-segment, 20-slot backplanes and a choice of a single- or dual-processor single board computer. The available 20-slot backplane options feature extended I/O support for PCI Express, PCI-X and PCI plug-in option card slots. Lightweight rugged aluminum construction provides SWaP advantages in a variety of Government & Defense, Industrial Automation and Telecommunication server applications.

Your choice of a dual or single-processor SBC with the latest multi-core processor options coupled with extensive 20-slot PICMG 1.3 backplane options deliver extended PCIe and PCI-X/PCI I/O support for as many as 18 cards in a single TRC5005 chassis. The TRC5005 features a secure N + 1 power supply, a chassis design that supports up to eight front access / hot-swap 2.5" drive carriers or four fixed 3.5" HDD bays. Long life cycle with 7+ year single board computer and backplane availability is built into every TRC5005 rackmount computer along with Trenton's unsurpassed US technical support.

### TRC5005 CHASSIS LAYOUT - JXTS6966 SINGLE BOARD COMPUTER & 20-SLOT BPX6806 BACKPLANE CONFIGURATION:



### TRENTON RACKMOUNT COMPUTER: TRC5005

| CHASSIS MODEL | DESCRIPTION   |
|---------------|---|
| TRC5005       | 5U rackmount chassis that features front access HDDs, an N + 1 system power supply and a large selection of industry standard 20-slot backplane and single board computer options |

**TECHNICAL SPECIFICATIONS:**

|                             |   |
|-----------------------------|---|
| MODEL NAME                  | TRC5005   |
| DESCRIPTION                 | 5U 23" deep rackmount chassis with front access HDD carriers, an N + 1 p. s. and featuring a choice of SBC and 20-slot backplane options  |
| CHASSIS STANDARD            | EIA RS-310C 19" Rackmount Standard  |
| CONSTRUCTION                | Lightweight Rugged Aluminum   |
| COLOR                       | Black   |
| VERSION                     | 19" Rackmount with a dual- or single-processor SBC and 20-slot backplane configuration capable of supporting up to 18 general purpose option cards  |
| PICMG 1.3 SHB OPTIONS       | Dual-Processor PICMG 1.3 SHBs - Trenton BXT7059, JXT6966, MCXT-Series, SLT and other industry standard PICMG 1.3 SHBs<br>Single-Processor PICMG 1.3 SHBs - Trenton BXTS7059, TSB7053, JXTS6966, TQ9, TML, MCXI-Series, SLI and other industry standard PICMG 1.3 SHBs |
| PICMG 1.3 BACKPLANE OPTIONS | 20-slot - Trenton BPG8032, BPX6806, BPX6571, BPX3/14 and other standard single-segment PICMG 1.3, 20-slot backplanes  |
| DRIVE BAYS                  | 8 - Front access hot swap, 2.5" HDD carriers or 4 - Fixed, 3.5" HDD bays and one media bay available regardless of HDD storage bay configuration  |
| POWER SUPPLY                | 1485W, N + 1 power supply   |
| COOLING                     | 4 - 92mm Ball Bearing Fans, 102CFM each   |
| INDICATORS                  | LEDs for HDD activity and Power Status  |
| FRONT CONNECTOR PORTS       | 2 - USB   |
| SWITCH                      | Power ON/OFF and System Reset   |
| HOLD DOWN BAR               | Flexible hold down bar for the SHB and the option cards for added security in high vibration environments   |
| AIR FILTER                  | Front access system filter for cleaning and maintenance   |
| METRIC DIMENSIONS           | 48.26cm (W) x 22.23cm (H) x 58.42cm (D)   |
| ENGLISH DIMENSIONS          | 19.00" (W) x 8.75" (H) x 23.00" (D)   |
| CHASSIS NET WEIGHT          | 34.8 Lbs. (15.8 Kg.) - includes the chassis, a single-processor SBC, a 20-slot backplane and the N + 1 redundant power supply only  |

Trenton Systems offers complete system integration of a wide variety of standard and customer supplied operating systems and application software packages. Various Microsoft®, Linux and RTOS operating systems can be loaded on to your system by our highly skilled factory technicians. Other system integration services include loading and testing of industry standard or COTS option cards as well as custom designed boards.

Standard industry certifications and approvals for your specific system configuration are also available from Trenton Systems.

Final system weight, environmental specifications and total power consumption estimates are a function of the specific system configuration. Preliminary estimates and final validated values are provided by Trenton for each rackmount computer system we build.

*\*NOTE: The chassis photos are shown for illustrative purposes only. See the Trenton website for chassis layout drawings and the latest system configuration options.*

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