

# TRC5008

## TRENTON 5U RACKMOUNT COMPUTER -- 2-in-1 CHASSIS



### Trenton TRC5008 Rackmount System

Shown with two independent backplanes and two SBCs with the HDD/SDD drive bays unpopulated

### FEATURES

- Two-in-One computer configurations using two independent PICMG 1.3 backplanes
- Dual or single-processor PICMG 1.3 single board computer options
- Supports eight x16 PCI Express 3.0 video, graphics, I/O or GPU plug-in COTS cards
- Additional support for up to six more PCI Express option cards
- Front access drive carriers support up to four, 2.5" HDDs or SSDs
- Front-panel also includes DVDs, status LEDs, and front-access USB ports
- Two, independent easy-swap power supplies deliver plenty of system power
- Long-life, high-performance and hot-swappable system fans
- Rugged and lightweight aluminum chassis
- Made in U. S. A.

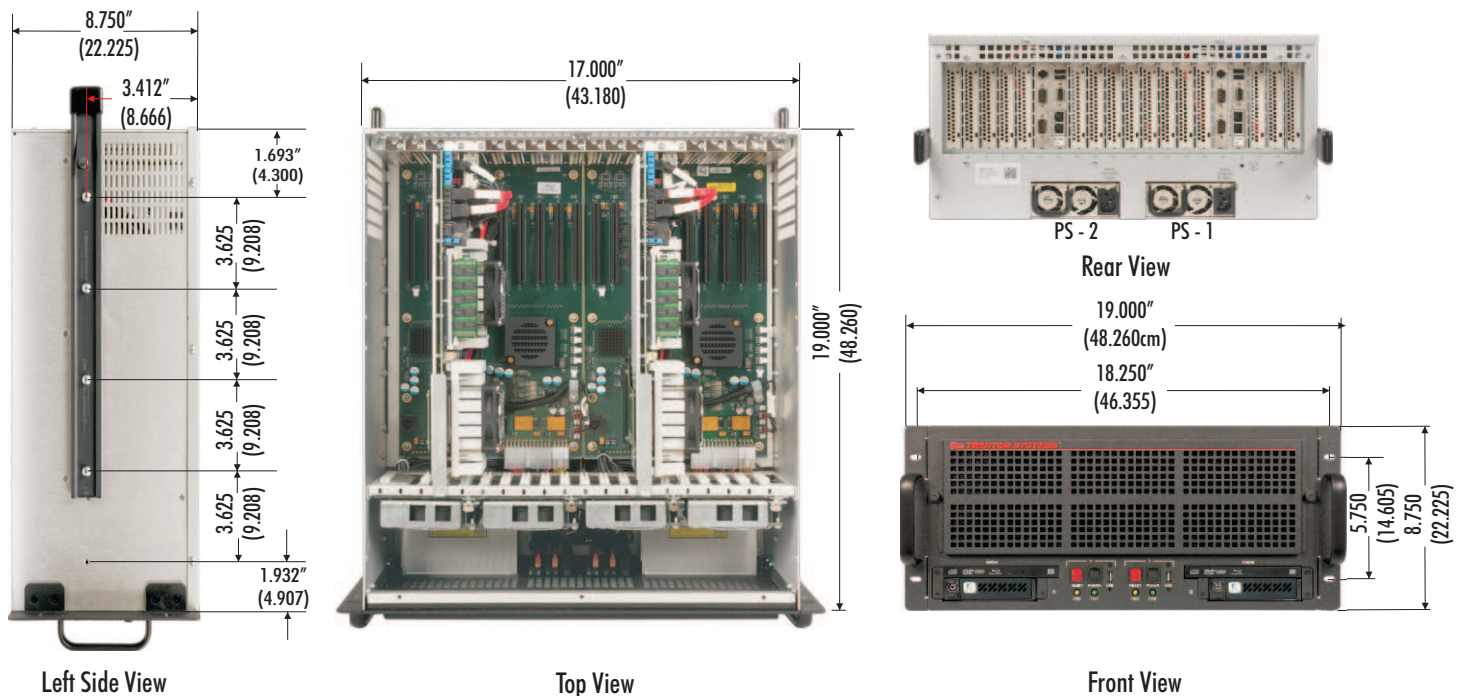


### TRC5008 OVERVIEW:

The Trenton TRC5008 is a 2-in-1, 5U rackmount computer chassis that provides secure front-access to the system's hard disk drives in addition to front-access DVDs and USB ports. This rackmount system is configured with two PICMG® 1.3 SHBs and a two small form factor (SFF) backplanes. This rackmount computer configuration enables a two-in-one independent system design that minimizes component rack space while maximizing application segmentation and security.

The TRC5008 2-in-1 rackmount chassis also features rear access, easy swap power supplies, individual sub-system power control and hot swap system fans. The 19" depth of this aluminum chassis is engineered to support two industry standard and small form factor PICMG backplanes as well as two, dual-processor system host boards.

### TRC5008 CHASSIS LAYOUT CONFIGURATION WITH TWO BPG8150 BACKPLANES & TWO DUAL-PROCESSOR SYSTEM HOST BOARDS:



### TRENTON RACKMOUNT COMPUTER: TRC5008

CHASSIS MODEL	DESCRIPTION
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TRC5008	5U rackmount chassis that features 2-in-1 SHB/backplane configuration with support for front access HDD/SSDs & media bays, and support for up to fourteen industry standard, plug-in PCI Express option cards including up to eight, x16 PCI Express 3.0 video, graphics or GPU cards
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**TECHNICAL SPECIFICATIONS:**

<b>MODEL NAME</b>	TRC5008
<b>DESCRIPTION</b>	5U rackmount chassis with a 18" depth that features two SFF backplanes and DP SHBs with support for up to 14 standard PCIe I/O cards
<b>CHASSIS STANDARD</b>	EIA RS-310C 19" Rackmount Standard
<b>CONSTRUCTION</b>	Lightweight Rugged Aluminum
<b>COLOR</b>	Black
<b>VERSION</b>	19" Rackmount computer with dual small form factor backplanes
<b>BPG8150 SFF BACKPLANE (std.)</b>	The BPG8150 is the standard small form factor backplane used in most TRC5008 system configurations. The system supports two BPG8150's and each backplane supports one dual-processor SHB equipped with a PEX10 interface expansion card and 4-x16, 2-x8 and 1-x4 PCIe option card
<b>OTHER SFF BACKPLANE OPTIONS</b>	Trenton BPC8114L, BPX6719, BPG6714, BPX5, BPG4, BPX3/2, BPG2/2 and other industry standard PICMG 1.3, SSF backplanes
<b>DUAL-PROCESSOR SHB (std.)</b>	Trenton's BPX7059 is a dual-Processor PICMG 1.3 SHB that provides native PCI Express Gen3 link support to the PCIe 3.0 switches used on the BPG8150 SFF backplane. A PEX10 option card is used with the BXT7059 SHB to ensure that all BPG8150 backplane slots are active.
<b>OTHER SHB OPTIONS</b>	Dual-Processor - Trenton JXT6966 and other industry standard PICMG 1.3 DP SHBs Single-Processor- Trenton TSB7053, TQ9 and other industry standard PICMG 1.3 UP SHBs (Note: The BPG8150 PCIe1 and PCIe2 slots are unavailable when using UP SHBs.)
<b>DRIVE BAYS</b>	2 - Front access CRU-DP25 removable dual-drive carriers with key locks for 2.5" HDDs, alternate drive carrier configurations available 2 - Front access media bays that typically support DVDs, other drive bay configurations available upon request
<b>MAXIMUM DATA STORAGE CAPACITY</b>	System configurations are available to support up to 2, 2.5", 15mm with key locking carriers or 4, 2.5", 9.5mm thick drive carriers without locks. Systems configured with 1TB HDDs could provide storage capacity of up to 4TB and about 2TB when using 2.5" SSDs.
<b>POWER SUPPLY</b>	1 - EZ Swap™ rear access , 1U, 1,010W power supply per SFF backplane for a maximum of two per TRC5008 system, other power supply options are available
<b>COOLING</b>	4 - Hot Swap, 92mm Fans, 102CFM each
<b>INDICATORS</b>	LEDs for System Power ON/OFF, SHB Segment Power ON/OFF and HDD Active
<b>SWITCH</b>	Individual SHB Segment Power ON/OFF and SHB Reset switches
<b>HOLD DOWN BAR</b>	Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration environments
<b>AIR FILTER</b>	Front access system filter for cleaning and maintenance
<b>METRIC DIMENSIONS</b>	48.26cm (W) x 22.23cm (H) x 48.26cm (D)
<b>ENGLISH DIMENSIONS</b>	19.00" (W) x 8.75" (H) x 19.00" (D)

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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