



**Trenton TRC5000 Rackmount System**  
Shown with a four-segment backplane and four SBCs

### FEATURES

- Cluster computer configurations using a four-segment PICMG 1.3 backplane
- Server-class or graphics-class PICMG 1.3 single board computer options
- Dual- or single-processor SHB or SBC options with the latest multi-core CPUs
- Secure-access front panel design
- Front-panel status LEDs and front-access USB ports
- Long-life, high-performance and hot-swappable system fans
- No HDD chassis design for network secured data applications
- Rugged and lightweight aluminum chassis
- Additional system configuration options include motherboards

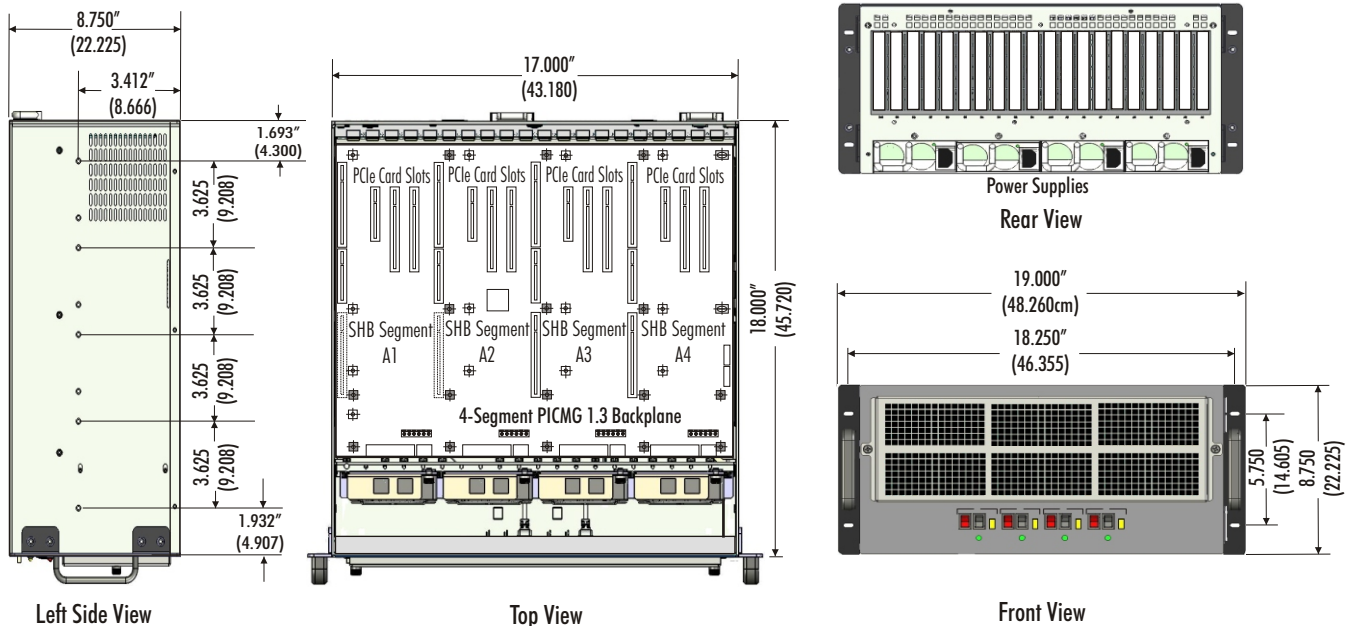


### TRC5000 OVERVIEW:

The Trenton TRC5000 is a shallow-depth, 5U rackmount computer chassis that provides local data security by eliminating local storage and media drives entirely. This rackmount system is configured as a cluster computer with four PICMG® 1.3 SHBs and a four-segment backplane. Additional configuration options include a single SHB/SBC and various backplane form factors. See [Trenton single board computers](#) or [Trenton backplanes](#) for more details on SBC capabilities and backplane slot configurations.

The TRC5000 rackmount chassis also features rear access power supplies, individual segment power control and hot swap system fans. The 18" depth of this aluminum chassis is engineered to support industry standard 14-slot, 20-slot and small form factor PICMG backplanes as well as motherboard options including mini-ATX, ATX and SSI-EEB.

### TRC5000 CHASSIS LAYOUT DRAWING - 20-SLOT BP4FS6890 BACKPLANE / CLUSTER COMPUTER CONFIGURATION:



### TRENTON RACKMOUNT COMPUTER: TRC5000

CHASSIS MODEL	DESCRIPTION
TRC5000	5U rackmount chassis that features a secure front panel design, support for multiple single board computers and multi-segmented backplane options

**TECHNICAL SPECIFICATIONS:**

MODEL NAME	TRC5000
DESCRIPTION	5U rackmount chassis with a 18" depth that features 14- and 20-slot backplane support
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Lightweight Rugged Aluminum
COLOR	Black
VERSION	19" Rackmount, 20-slot Passive backplane
PICMG 1.3 BACKPLANE OPTIONS	20-slot - Trenton BP2FS6929, BP4FS6890, BP6FS6605, BPX6806, BPX6571, BPX3/14 and other standard PICMG 1.3, 20-slot backplanes 14-slot - Trenton BPX6620, BPX6610, BPX3/8, other industry standard PICMG 1.3 14-slot and Trenton small form-factor backplane support
PICMG 1.0 BACKPLANE OPTIONS	20-slot - Trenton BP3/16-64, BP3/16 and other industry standard PICMG 1.0, 20-slot backplanes 14-slot - Trenton BP1/1/2/4/4, BP3/2/4/4, BP3/10, BP7/6 and other industry standard PICMG 1.0, 14-slot backplanes
PICMG 1.3 SHB OPTIONS	Dual-Processor PICMG 1.3 SHBs - Trenton MCXT-Series, MCGT-Series, SLT, NLT and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton TQ9, TML, MCXI-Series, MCGI-Series, SLI, NLI, T4L and other industry standard PICMG 1.3 SHBs
PICMG 1.0 SBC OPTIONS	Single-Processor PICMG 1.0 SBCs - Trenton MX8, T4R, T4G, T4I and other industry standard PICMG 1.0 SBCs
MOTHERBOARD OPTIONS	Dual-Processor SSI-EEB Server Motherboards such as the upcoming Trenton NTM6900, mini-ATX and ATX form factor motherboards
DRIVE BAYS	None
POWER SUPPLY	1 - Removable rear access , 1U, 520W ATX power supply per segment, other power supply options are available
COOLING	4 - Hot Swap, 92mm Ball Bearing Fans, 102CFM each, other system fan options are available
INDICATORS	LEDs for SHB Segment Power ON/OFF, HDD Active LEDs available with the internal HDD option
SWITCH	Individual SHB Segment Power ON/OFF and SHB Reset switches
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBCs 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 45.72cm (D)
ENGLISH DIMENSIONS	19.00" (W) x 8.75" (H) x 18.00" (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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