

TRC4006

TRENTON 4U RACKMOUNT CHASSIS - 28" DEPTH



Trenton TRC4006 Rackmount System
Shown with a six-segment backplane and six SBCs

FEATURES

- Cluster computer configurations using a six-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 hard disk drive carriers featuring rugged 2.5" HDDs
- Automatic power load balancing maximizes system performance and reliability
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Rugged aluminum chassis
- Additional system configuration options include motherboards

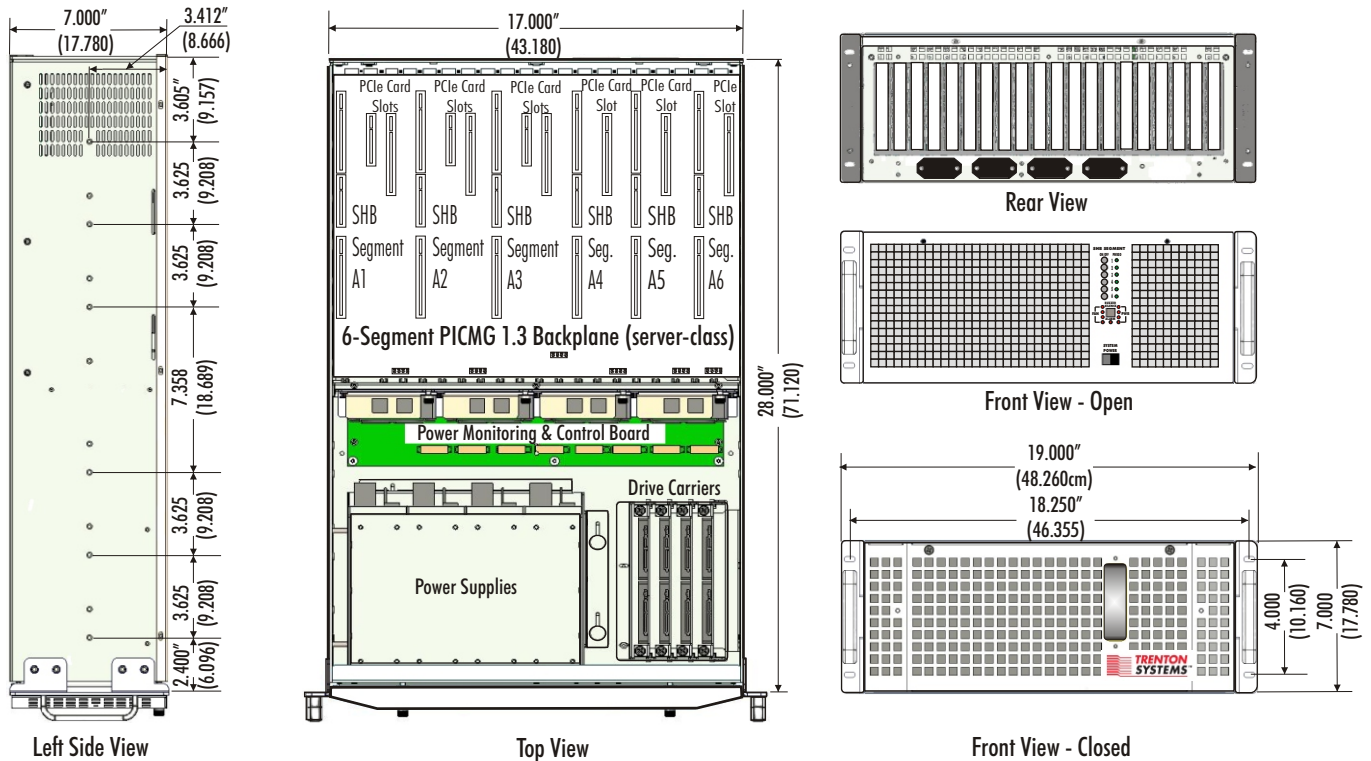


TRC4006 OVERVIEW:

The Trenton TRC4006 4U rackmount computer supports up to four power supplies, system power diagnostics with automatic load balancing and secure mounting of the HDDs. This system is configured as a cluster computer with six, low-profile PICMG 1.3 SHBs and a six-segment backplane. The Trenton SLT board is an example of a low-profile PICMG 1.3 SHB. 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 SBCs and backplanes.

The TRC4006 rackmount chassis features total system as well as individual segment power control, system diagnostic LEDs, secure access HDDs and hot swap system fans. The 28" depth of this aluminum chassis is engineered to support a variety of industry standard backplanes including 20-slot form factors and motherboard options including mini-ATX, ATX and SSI-EEB.

TRC4006 CHASSIS LAYOUT DRAWING - BP6F56605 BACKPLANE & TRENTON SLT SYSTEM HOST BOARDS / CLUSTER COMPUTER CONFIGURATION:



TRENTON RACKMOUNT COMPUTER: TRC4006

CHASSIS MODEL	DESCRIPTION
TRC4006	4U rackmount chassis that features system status indicators, front-mounted power supplies with load balancing, 14-slot and 20-slot backplane options

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC4006
DESCRIPTION	4U rackmount chassis with a 28" depth that features 14- and 20-slot backplane support and power diagnostics with automatic load balancing
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Aluminum
COLOR	White, Black and other color options
VERSION	19" Rackmount, 20-slot Passive backplane
PICMG 1.3 BACKPLANE OPTIONS	20-slot - Trenton BP4FS6890, BP6FS6605, BPX6806, BPX6571, BPX3/14 and other industry 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	8 - 2.5" HDDs internally mounted on secured drive carriers, other drive bay configurations available upon request
POWER SUPPLY	Supports up to four, front-mounted, 850W, AC-to-12VDC system supply modules with other modular power supply options available
COOLING	4 - Hot Swap, 92mm Ball Bearing Fans, 102CFM each, other system fan options are available
INDICATORS	LEDs for System Power ON/OFF, SHB Segment Power Good, System Fan Status, Power Supply Status and System Alarm
SWITCHES	System Power ON/OFF, SHB Segment Power ON/OFF, Alarm Silence
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	48.3cm (W) x 17.8cm (H) x 71.1cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 28" (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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