

TRC6000

TRENTON 6U RACKMOUNT CHASSIS - 18.2" DEPTH



Trenton TRC6000 Rackmount System
Shown with a 20-slot backplane and one SBC

FEATURES

- Flexible processor board configurations support SBCs, SHBs and motherboards
- System configurations available with single- or dual-processor boards
- Supports 14-slot and 20-slot PICMG® backplane options
- Shallow depth chassis design
- Rear access, redundant power supply options
- Multiple HDD and media drive configuration options
- Locking front panel HDD drive carrier options
- Front-panel status LEDs and front-access USB ports
- Long-life, high-performance and hot-swappable system fans
- Easy access to system air filters

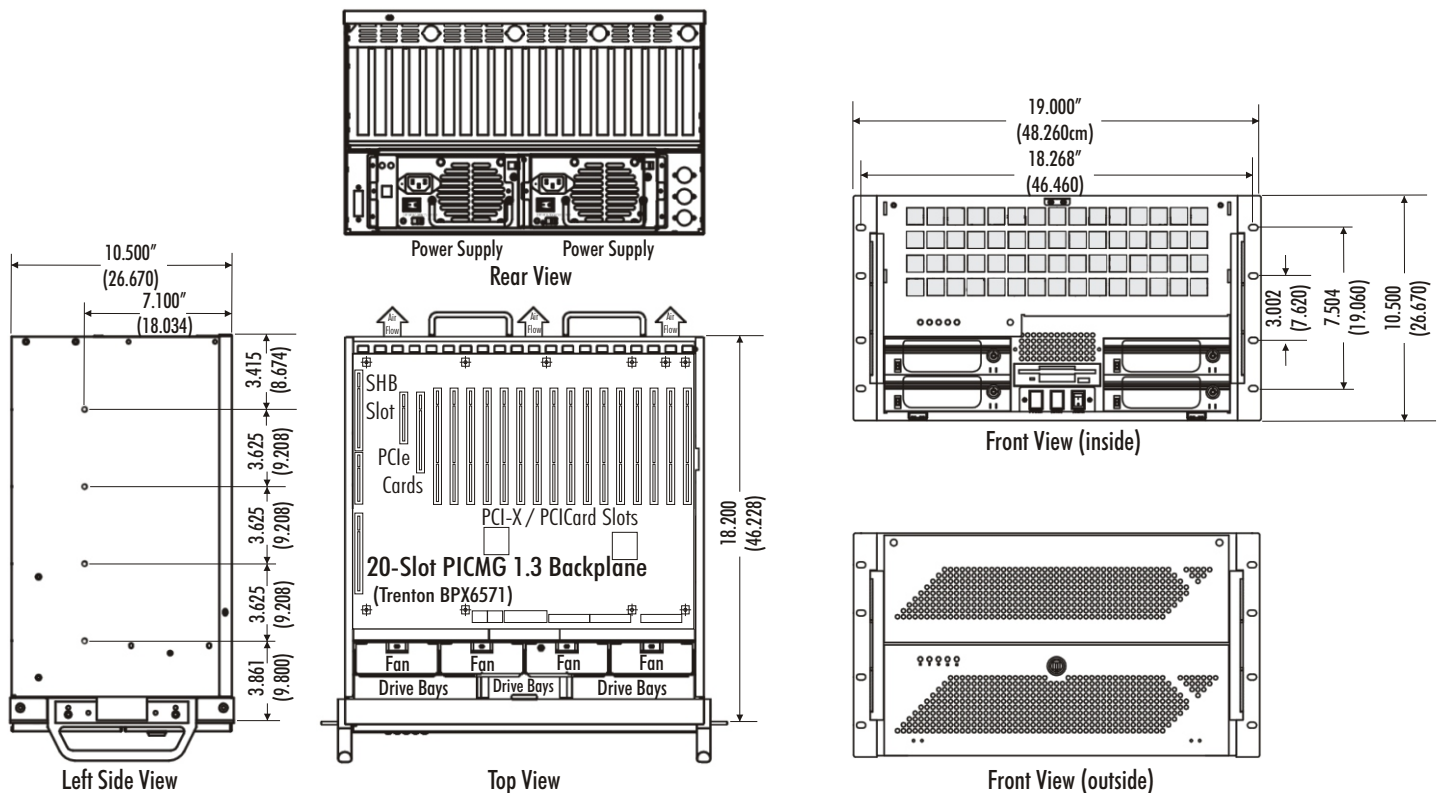


TRC6000 OVERVIEW:

The Trenton TRC6000 is a 6U rackmount computer chassis that offers many choices in HDD and media drive bay configurations with system support for 20-slot form factor backplanes. This rackmount system can be configured with a single- or dual-processor single board computer, a variety of backplanes and motherboards. See [Trenton single board computers](#) or [Trenton backplanes](#) for more details on SBC capabilities and backplane slot configurations.

The TRC6000 rackmount chassis supports front access and removable HDD carrier trays, removable rear-access power supplies and hot swap system fans. The 18.2" depth of this rackmount chassis supports a variety of industry standard backplanes up to and including 20-slot form factors. PICMG 1.3 system host board or PICMG 1.0 single board computer options are supported in this chassis along with several motherboard options including mini-ATX, ATX and SSI-EEB server motherboards.

TRC6000 CHASSIS LAYOUT DRAWING - 20-SLOT BACKPLANE CONFIGURATION:



TRENTON RACKMOUNT COMPUTER: TRC6000

CHASSIS MODEL	DESCRIPTION
TRC6000	6U rackmount chassis that features removable hard drive bays, removable power supplies, supports industry standard 14-slot and 20-slot backplanes

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC6000
DESCRIPTION	6U rackmount chassis with an 18.2" depth that features 20-slot & 14-slot backplane support, multiple HDD & media bays
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Cold Rolled Electroplated Steel
COLOR	Black
VERSION	19" Rackmount, 20-slot Passive backplane
PICMG 1.3 BACKPLANE OPTIONS	20-slot - Trenton 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	2 - 3.5" internal HDD bays, 4 - 5.25" device bays for media or front access HDD carriers
POWER SUPPLY	Rear access, 1- PS/2 up to 700W, or 2 - redundant PS/2 up to 550W or 2 - mini-redundant ATX up to 550W
COOLING	4 - Hot Swap, 9.2cm Ball Bearing Fans, 51CFM each, other system fan options are available
INDICATORS	LEDs for Power ON/OFF, HDD Active, Fan and Temperature Control LEDs available with optional Thermal Management Card
SWITCH	System Power ON/OFF, System Reset and Buzzer Reset switches available with optional Thermal Management Card
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration environments
AIR FILTER	Easy access in the lower drop-down front door for cleaning and maintenance
METRIC DIMENSIONS	48.3cm (W) x 26.7cm (H) x 46.3cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 10.5" (H) x 18.2" (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.*

PICMG is a registered trademark of the PCI Industrial Computer Manufacturers Group. Microsoft is a registered trademark of Microsoft Corporation. All other product and/or company names are trademarks or registered trademarks of their respective owners.

Copyright ©2009 by TRENTON Systems Inc., All rights reserved

