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
- Front access hard disk drive carriers
- HDD carriers secured with key locks
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Rugged and lightweight aluminum chassis
- Additional system configuration options include motherboards

Trenton TRC4002 Rackmount System
Shown with a four-segment backplane and four SBCs

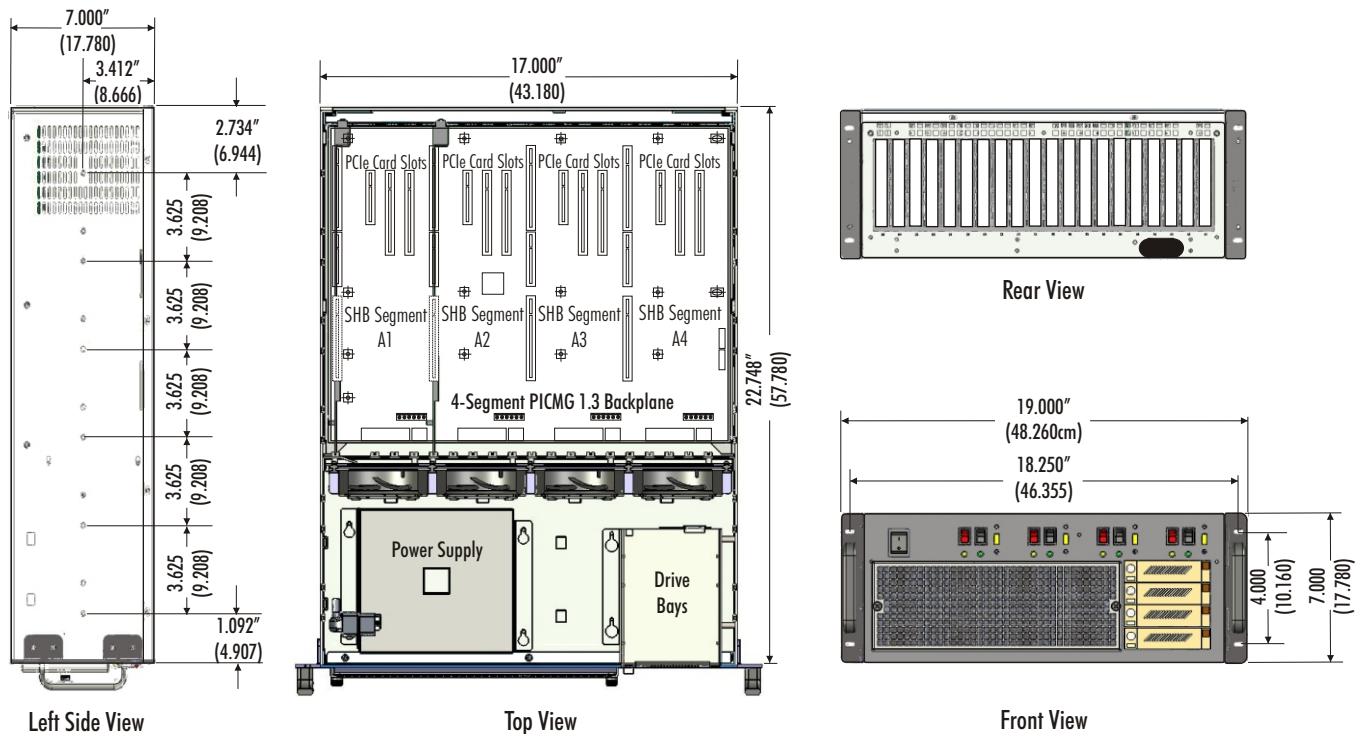**TRENTON SYSTEMS™**
Engineered For Reliability

TRC4002 OVERVIEW:

The Trenton TRC4002 is a 4U rackmount computer chassis that supports a front-mounted power supply and easy, yet secured access to the system's hard disk drives. 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 TRC4002 rackmount chassis features a front-mounted power supply, total system as well as individual segment power control, front access HDDs and hot swap system fans. The 22.8" 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.

TRC4002 CHASSIS LAYOUT DRAWING - 20-SLOT BACKPLANE / CLUSTER COMPUTER CONFIGURATION:

Left Side View

Top View

Rear View

Front View

TRENTON RACKMOUNT COMPUTER: TRC4002

CHASSIS MODEL	DESCRIPTION
TRC4002	4U rackmount chassis that features front access and key-lock HDDs, front access power supply, industry standard 14-slot and 20-slot backplane options

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC4002
DESCRIPTION	4U rackmount chassis with a 22.8" depth that features 14- and 20-slot backplane support and front access hard drive bays with key locks
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 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	4 - Front access CRU-DE50 removable drive carriers with key locks for 2.5" HDDs, other drive bay configurations available upon request
POWER SUPPLY	Front-mounted, 850W, AC-to-12VDC system supply, 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 System Power ON/OFF, SHB Segment Power ON/OFF and HDD Active
SWITCH	System Power ON/OFF and individual segment power switches
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration enviornments
AIR FILTER	Front access system filter for cleaning and maintenance
METRIC DIMENSIONS	48.3cm (W) x 17.8cm (H) x 57.8cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 22.8" (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.

TRENTON SYSTEMS™
Engineered For Reliability