FEATURES

- Rackmount computer ideal for video processing and graphics applications
- Supports 14-slot PICMG 1.3 backplanes including the BPG7087 backplane
- Trenton BPG7087 backplane option supports ten PCI Express card slots with four card slots configured for x16 PCI Express 2.0/1.1 electrical interfaces
- Graphics-class PICMG 1.3 single board computer options featuring dual or Single-processor SHB/SBC options with the latest multi-core CPUs
- Additional configuration options available with embedded motherboards
- Four front access 3.5" drive bays that enable support for four 3.5" HDDs or up to eight hot swap, 2.5" HDDs plus a Slim-line optical media drive bay
- Multiple front and rear system I/O and network interface ports
- Lightweight, rugged aluminum chassis configuration

Trenton TRC4008 Rackmount System
Shown with a 14-slot backplane and one SBC
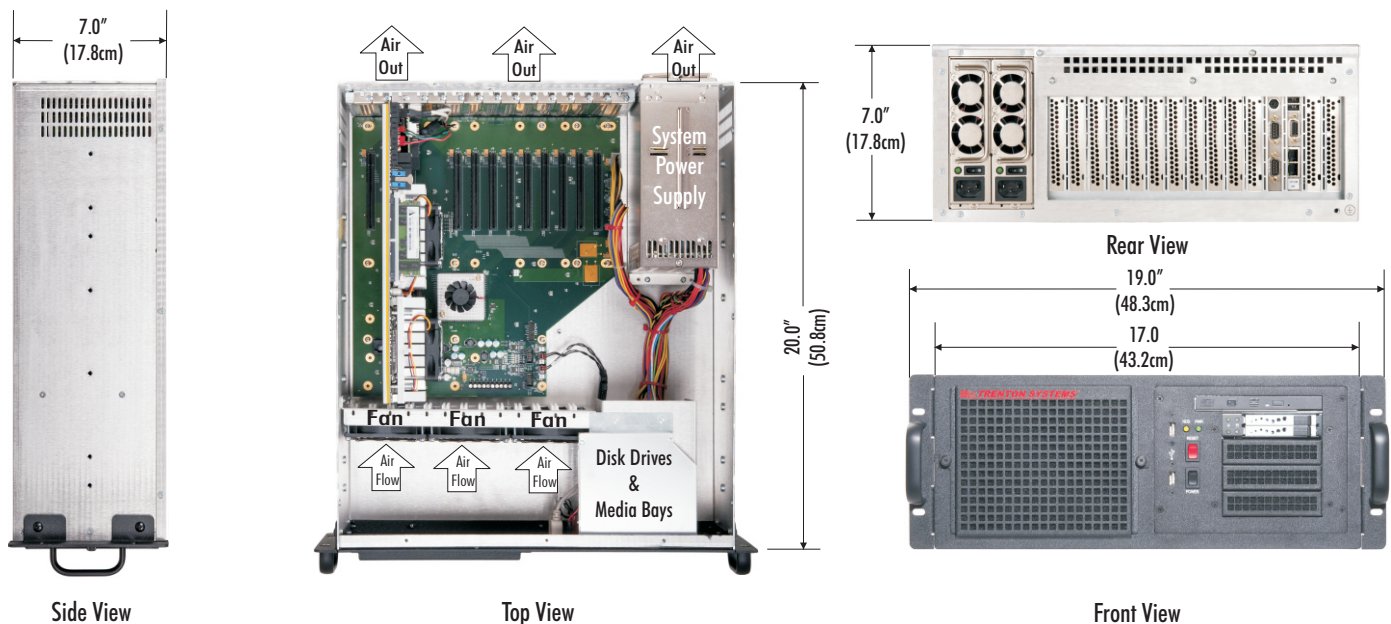
TRENTON SYSTEMS®
Engineered For Reliability

TRC4008 OVERVIEW:

The Trenton TRC4008 is a 4U system solution ideal for high-end video processing and graphics applications. The system supports a variety of single board computers, 14-slot backplanes, MicroATX and ExtendedATX embedded motherboard options. An example of a 14-slot backplane option for the TRC4008 is the Trenton BPG7087 with its four, x16 PCI Express 2.0 electrical interfaces to the card slots plus six other PCIe x16 mechanical card slots connected with x4 electrical links. This backplane design feature enables the TRC4008 rackmount computer to support four, high-end video processing or graphics cards.

The TRC4008 features four front access drive bays that support either four 3.5" or up to eight 2.5" removable and hot swap storage drives. The system's front panel also includes a Slim-line optical media bay, two USB ports, diagnostic LEDs, power and system reset switches. The TRC4008 rackmount chassis features high-capacity system fans and rear-mounted power supply options to maximize system reliability in high-end visual computing applications.

TRC4008 CHASSIS LAYOUT DRAWING - 14-SLOT BACKPLANE CONFIGURATION:

Side View

Top View

Rear View

Front View

TRENTON RACKMOUNT COMPUTER: TRC4008

SYSTEM MODEL	DESCRIPTION
TRC4008	4U rackmount computer with a 20" chassis depth, four front access 3.5" drive bays and one optical media bay, supports single board computer with 14-slot or small form factor backplanes and MicroATX or ExtendedATX embedded motherboard system configuration options

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC4008
DESCRIPTION	4U, rackmount computer chassis with a 20" depth, four front access drive bays and SBC / 14-slot backplane or embedded motherboard configurations
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION & COLOR	Lightweight, rugged aluminum – Black front
VERSION	19" Rackmount with single board computer/system host board and 14-slot or small form factor backplane or embedded motherboard configurations
PICMG 1.3 BACKPLANE OPTIONS	14-slot - Trenton BPG7087, BPC7041, BPC7009, BPX6620, BPX6610, BPX3/8 and other industry standard PICMG 1.3 14-slot backplanes Small Form Factor - Trenton BPX6719, BPG6714, BPX3/2, BPG2/2, BPX5, BPG4 and other industry standard small form factor backplanes
PICMG 1.0 BACKPLANE OPTIONS	14-slot - Trenton BP1/1/2/4/4, BP3/2/4/4, BP3/10, BP7/6 and other industry standard 14-slot, PICMG 1.0 backplanes
PICMG 1.3 SHB OPTIONS	Dual-Processor PICMG 1.3 SHBs - Trenton JXT6966, MCXT-Series, SLT, NLT and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton TSB7053, JXTS6966, TQ9, TML, MCXI-Series, SLI, NLI and other standard PICMG 1.3 SHBs
PICMG 1.0 SBC OPTIONS	Trenton MX8, T4R and other industry standard PICMG 1.0 SBCs
MOTHERBOARD OPTIONS	Trenton NTM6900, WTM7026, JXM7031 and other industry standard Extended-ATX, ATX, Mini-ATX, and Micro-ATX form factors
DRIVE BAYS	4 - Front 3.5" drive bays support either four 3.5" or up to eight 2.5" hot swap HDD carriers and 1 - Slim-line device bay for optical drive media
POWER SUPPLY	Options include: Single ATX/EPS P/S up to 1500W, fixed - OR - Mini-redundant ATX P/S up to 500W
COOLING	3 - 92mm Fans (center-mounted), 102 CFM each
INDICATORS	LEDs for HDD activity and Power Status
SWITCH	Power On/Off and System Reset
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 tool-less access to the system filter for easy cleaning and maintenance
CHASSIS NET WEIGHT	20 Lbs. (9.08 kg.) - Includes chassis + single-processor SBC + 14-slot backplane + mini-reduntant power supply only
METRIC DIMENSIONS	48.3cm (W) x 17.8cm (H) x 50.8cm (D) (with 19" rackmount handles installed)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 20.0" (D) (with 19" rackmount handles installed)

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.

NOTES:
  1. The chassis photos are shown for illustrative purposes only.

 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 © 2014 by TRENTON Systems Inc., All rights reserved

TRENTON SYSTEMS®
Engineered For Reliability

8414008 01134 1.1