

TRC4009

TRENTON 4U RACKMOUNT CHASSIS - 16.25" DEPTH



Trenton TRC4009 Rackmount System
Shown with a 14-slot backplane and one SBC

FEATURES

- Shallow-depth computer platform ideal for rugged computing applications
- Supports 14-slot PICMG 1.3 backplanes including the Trenton BPG7087 backplane
- BPG7087 backplane option supports ten PCI Express card slots with four card slots configured for x16 PCI Express 2.0/1.1 electrical interfaces
- PICMG 1.3 single board computer options featuring dual or single-processor designs with the latest multi-core CPUs
- Additional system configuration options available with embedded motherboards
- Extensive data storage capacity provides support for eight hot swap, 2.5" HDDs or Solid State Drives (SSDs)
- Made In USA for long-life stability and dependability

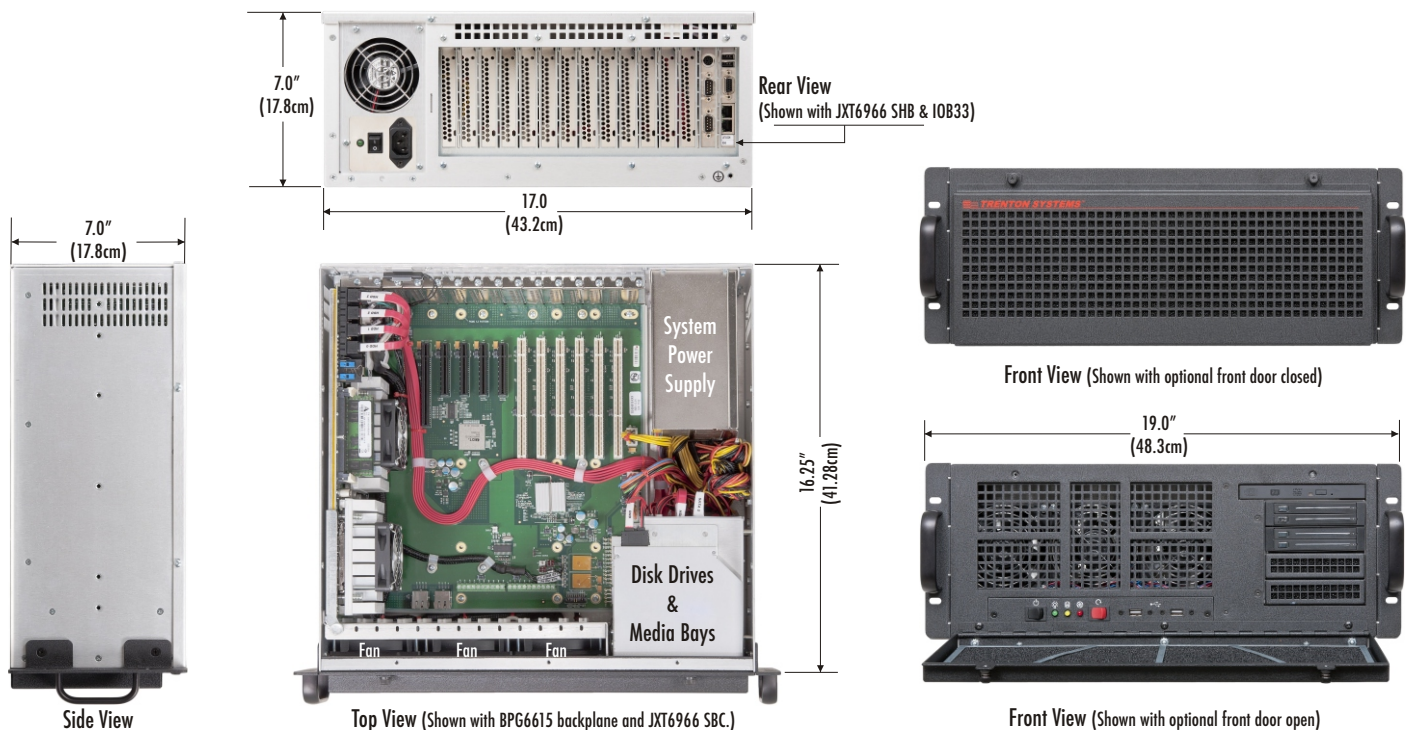


TRC4009 OVERVIEW:

The shallow-depth dimension of the Trenton TRC4009 rackmount computer allows a high-degree of computing capability to be placed in the tight spaces typically found in submarines, surface ships, airborne command centers and crowded server rooms. The TRC4009 4U rackmount computer 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 TRC4009 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. See [Trenton backplanes](#), [Trenton single board computers](#) or [embedded motherboards](#) for details on board capabilities and specification data.

The TRC4009 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 TRC4009 rackmount chassis features high-capacity system fans and rear-mounted power supply options to maximize system reliability in rugged, high-performance computing applications.

TRC4009 CHASSIS LAYOUT DRAWING - 14-SLOT BACKPLANE CONFIGURATION:



TRENTON RACKMOUNT COMPUTER: TRC4009

SYSTEM MODEL	DESCRIPTION
TRC4009	4U rackmount computer with a 16.25" 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	TRC4009
DESCRIPTION	4U, rackmount computer chassis with a 16.25" 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, available with or without a front door - 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, BPG6615, 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 1.3 SHB OPTIONS	Dual-Processor PICMG 1.3 SHBs - Trenton BXT7059, JXT6966, MCXT-Series and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton TSB7053, BXTS7059, JXTS6966, TQ9 and other standard PICMG 1.3 SHBs
MOTHERBOARD OPTIONS	Trenton JXM7031, JXMS7031, JXMI8001, NTM6900, WTM7026 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
MAXIMUM DATA STORAGE CAPACITY	Drive type and individual drive capacity dependent, 2.5" front access driver carriers support 15mm thick 1TB or greater HDDs, 4TB - 8TB* typical when using 2.5" HDDs, 2.4TB - 6.4TB* when using 2.5" SSDs *Maximum capacity increases with larger capacity drives
POWER SUPPLY	Single ATX/EPS P/S up to 1500W, fixed
INDICATORS	LEDs for HDD activity, Power Status and Fan Speed Control Status
SWITCH	Power On/Off and System Reset
FRONT CONNECTOR PORTS	2 - USB
COOLING	3 - 120mm Fans, 90 CFM each
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBC and the option cards for added security in high vibration environments
AIR FILTER	Front door option provides tool-less access to the system filter for easy cleaning and maintenance
CHASSIS NET WEIGHT	30.0 Lbs. (13.62 kg.) - Includes chassis + dual-processor SBC + 14-slot backplane + fixed-mount power supply only
METRIC DIMENSIONS	48.3cm (W) x 17.8cm (H) x 41.3cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 16.25" (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.

NOTES:

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

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