TRC5004

Trenton TRC5004 Rackmount System
Shown with a single-segment 20-slot backplane and an SBC

FEATURES

- Extended I/O rackmount server with a system depth of only 18"
- Choice of multi-core single or dual-processor single board computer options
- Large format (20-slot) backplane options deliver extended I/O card support
- Front access hard disk drive carriers and DVD media bays
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Lightweight aluminum chassis
- Ruggedized design for high shock and vibration environments
- Long-life server platform for extended field deployments
- Trenton enclosure, SBC and backplane designed and Made in USA

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*Engineered For Reliability*

TRC5004 OVERVIEW:

The TRC5004 is a rugged 5U rackmount computer that supports single-segment large format backplanes and a single board computer. The available backplane options feature extended I/O support for PCI Express and PCI-X/PCI plug-in option card slots. Lightweight rugged aluminum construction provides SWaP advantages in a variety of Government & Defense, Industrial Automation and Telecommunication server applications.

Your choice of a dual or single-processor SBC with the latest multi-core processor options coupled with extensive large format PICMG 1.3 backplane options deliver expanded PCIe and PCI-X I/O support for as many as 18 cards in a single TRC5004 chassis. The TRC5004 design supports four front access / hot-swap 2.5" drive carriers or two fixed 3.5" HDD bays and is powered by 1U micro-redundant power supplies. Long life cycle with 7+ year single board computer and backplane availability is built into every TRC5004 rackmount computer.

TRC5004 CHASSIS LAYOUT DRAWING - 20-SLOT BPX6806 BACKPLANE CONFIGURATION:
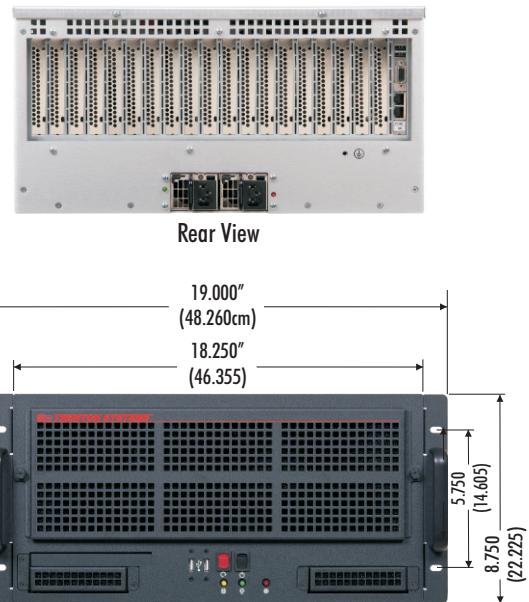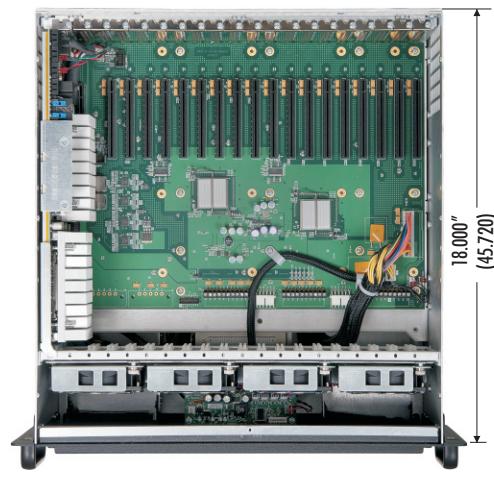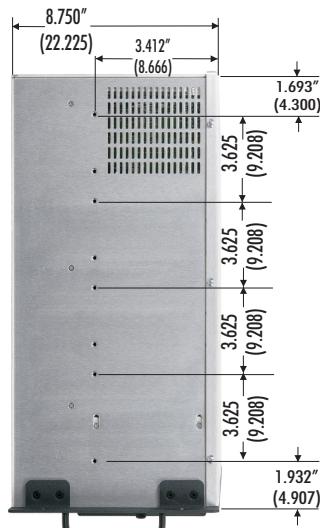
Left Side View

Top View

Rear View

Front View

TRENTON RACKMOUNT COMPUTER: TRC5004

CHASSIS MODEL	DESCRIPTION
TRC5004	5U rackmount chassis features front access HDDs, front access media bays, single segment large format backplane and single board computer options

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC5004
DESCRIPTION	5U 18" deep rackmount chassis with front access media bays and HD carriers featuring a choice of SBC and single-segment 20-slot backplane options
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	Large format (20-slot) - Trenton BPG8194, BPG8032, BPX6806, BPX6571, BPX3/14 and other standard PICMG 1.3, large format backplanes
PICMG 1.3 SHB OPTIONS	Dual-Processor PICMG 1.3 SHBs - Trenton BXT7059, JXT6966, and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton THD8141(Q3, '14), BXTS7059, TSB7053, JXTS6966, and other industry standard PICMG 1.3 SHBs
DRIVE BAYS	4 - Front access hot swap , 2.5" HDD bays or 2 - Fixed, 3.5" HDD bays and one media bay available regardless of HDD storage bay configuration
POWER SUPPLY	2 - 1U, removable, micro-redundant rear access
COOLING	4 - 92mm Ball Bearing Fans, 102CFM each
INDICATORS	LEDs for System Power ON/OFF, SHB Power ON/OFF and HDD Active
FRONT CONNECTOR PORTS	2 - USB
SWITCH	SHB Power ON/OFF and SHB Reset switches
HOLD DOWN BAR	Flexible hold down bar for the SHB and the option cards for added security in high vibration environments
AIR FILTER	Front access system filter for cleaning and maintenance
METRIC DIMENSIONS	48.26cm (W) x 22.23cm (H) x 45.72cm (D)
ENGLISH DIMENSIONS	19.00" (W) x 8.75" (H) x 18.00" (D)
CHASSIS NET WEIGHT	34.8 Lbs. (15.8 Kg.) - includes chassis + dual-processor SBC + 20-slot backplane + mini-redundant power supply only

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.

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