

TRC5006

TRENTON 5U RACKMOUNT CHASSIS - 23" DEPTH



Trenton TRC5006 Rackmount System

Shown with a single-segment 20-slot backplane and an SBC

FEATURES

- Rackmount computer with extended I/O support and 23" chassis depth
- Choice of single or dual-processor single board computer options
- 20-slot backplane options deliver extended I/O card support
- N + 1 redundant power supply delivers secure system power
- Front access hard disk drive carriers and DVD media bay
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Lightweight aluminum chassis
- Long-life server platform for extended field deployments
- Trenton enclosure, SBC and backplane designed and Made in USA

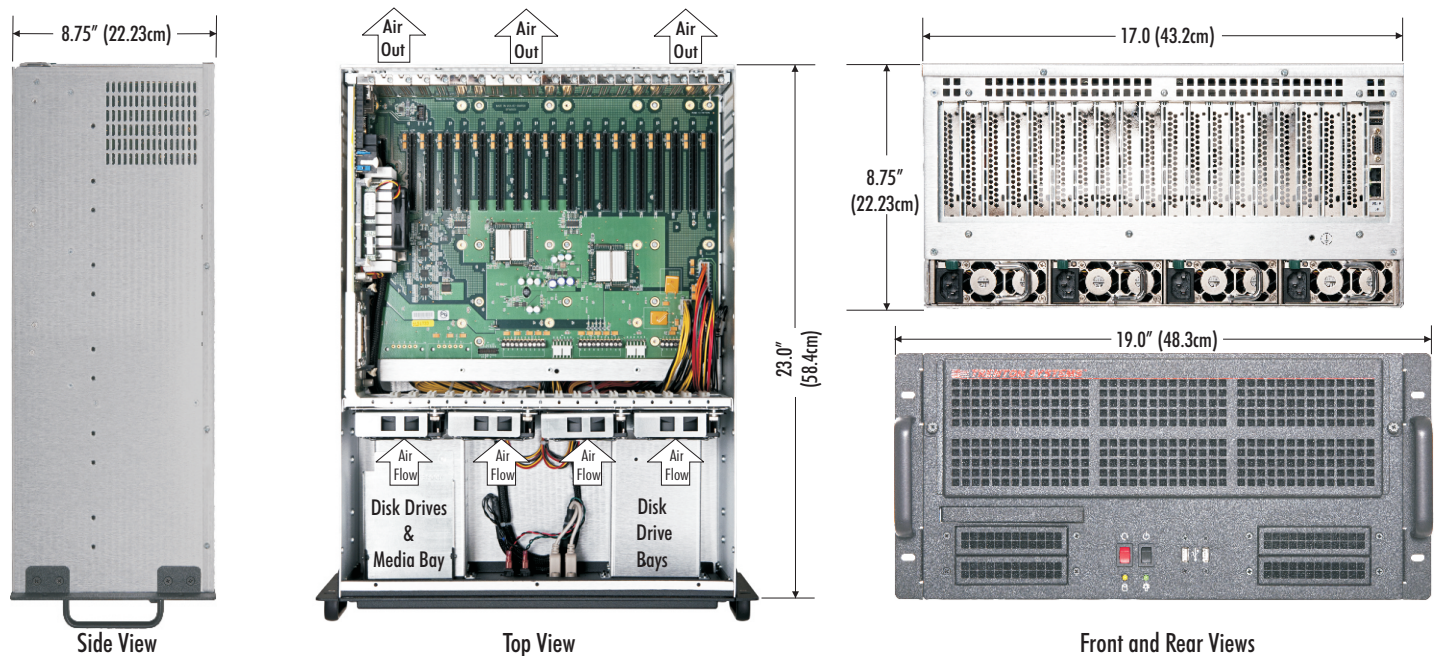


TRC5006 OVERVIEW:

The TRC5006 is a rugged UL recognized 5U rackmount computer that supports single-segment, 20-slot backplanes and a choice of a single- or dual-processor single board computer. The available 20-slot backplane options feature extended I/O support for PCI Express, PCI-X and 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 20-slot PICMG 1.3 backplane options deliver extended PCIe and PCI-X/PCI I/O support for as many as 18 cards in a single TRC5006 chassis. The TRC5006 features a secure N + 1 power supply, a chassis design that supports up to eight front access / hot-swap 2.5" drive carriers or four fixed 3.5" HDD bays. Long life cycle with 7+ year single board computer and backplane availability is built into every TRC5006 rackmount computer along with Trenton's unsurpassed US technical support.

TRC5006 CHASSIS LAYOUT - JXTS6966 SINGLE BOARD COMPUTER & 20-SLOT BPX6806 BACKPLANE CONFIGURATION:



TRENTON RACKMOUNT COMPUTER: TRC5006

CHASSIS MODEL	DESCRIPTION
TRC5006	UL recognized 5U rackmount chassis that features front access HDDs, an N + 1 system power supply and a large selection of industry standard 20-slot backplane and single board computer options

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC5006
DESCRIPTION	5U 23" deep rackmount chassis with front access HDD carriers, an N + 1 p. s. and featuring a choice of SBC and 20-slot backplane options
AGENCY APPROVALS & COMPLIANCE	UL recognized product listed in file #E208896-A2-UL dated 2013-02-28. Full UL test report available upon request.
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Lightweight Rugged Aluminum
COLOR	Black
VERSION	19" Rackmount with a dual- or single-processor SBC and 20-slot backplane configuration capable of supporting up to 18 general purpose option cards
PICMG 1.3 SHB OPTIONS	Dual-processor - Trenton BXT7059 featuring Intel® Xeon® E5-2400 Series Processors or JXT6966 with Intel® Xeon® EC5500 Series Processors Single-Processor - Trenton BXTS7059, JXTS6966 and TSB7053 with an Intel® Xeon® E3-1200 Series or Intel® Core™ i7-2600 long-life processor
PICMG 1.3 BACKPLANE OPTIONS	20-slot - Trenton BPG8032 and BPX6806 backplanes. Additional backplane options and configurations are available upon request.
DRIVE BAYS	4 - 3.5" drive bays support up to eight 2.5" HDD carriers, removable and hot swap are available upon request. 1 - Slim-line device bay for optical drive media. Other drive bay configurations are available upon request.
POWER SUPPLY	1485W, N + 1 power supply
COOLING	4 - 92mm Ball Bearing Fans, 102CFM each
INDICATORS	LEDs for HDD activity and Power Status
FRONT CONNECTOR PORTS	2 - USB
SWITCH	Power ON/OFF and System Reset
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
DIMENSIONS	19.00" / 48.26cm (W) x 8.75" / 22.23cm (H) x 23.00" / 58.42cm (D)
CHASSIS NET WEIGHT	34.8 Lbs. (15.8 Kg.) - includes the chassis, a single-processor SBC, a 20-slot backplane and the N + 1 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.

**NOTE: The chassis photos are shown for illustrative purposes only. See the Trenton website for chassis layout drawings and the latest system configuration options.*

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