



Trenton TRC2008
2U Ruggedized Rackmount Computer

FEATURES

- Ruggedized chassis design enhances application security
- 18" deep 2U Rackmount puts high performance in a small footprint
- Aluminum construction minimizes system weight
- Two 2.5" Solid State or Hard Disk Drives with security provisions
- Intel® Xeon® processors for reliable, high-performance computing
- Up to 3 full-height PCI Express 3.0 x16 option cards
- Removable power supply for lower Mean Time To Repair
- Highly configurable and reliable
- Designed, built and supported in the USA

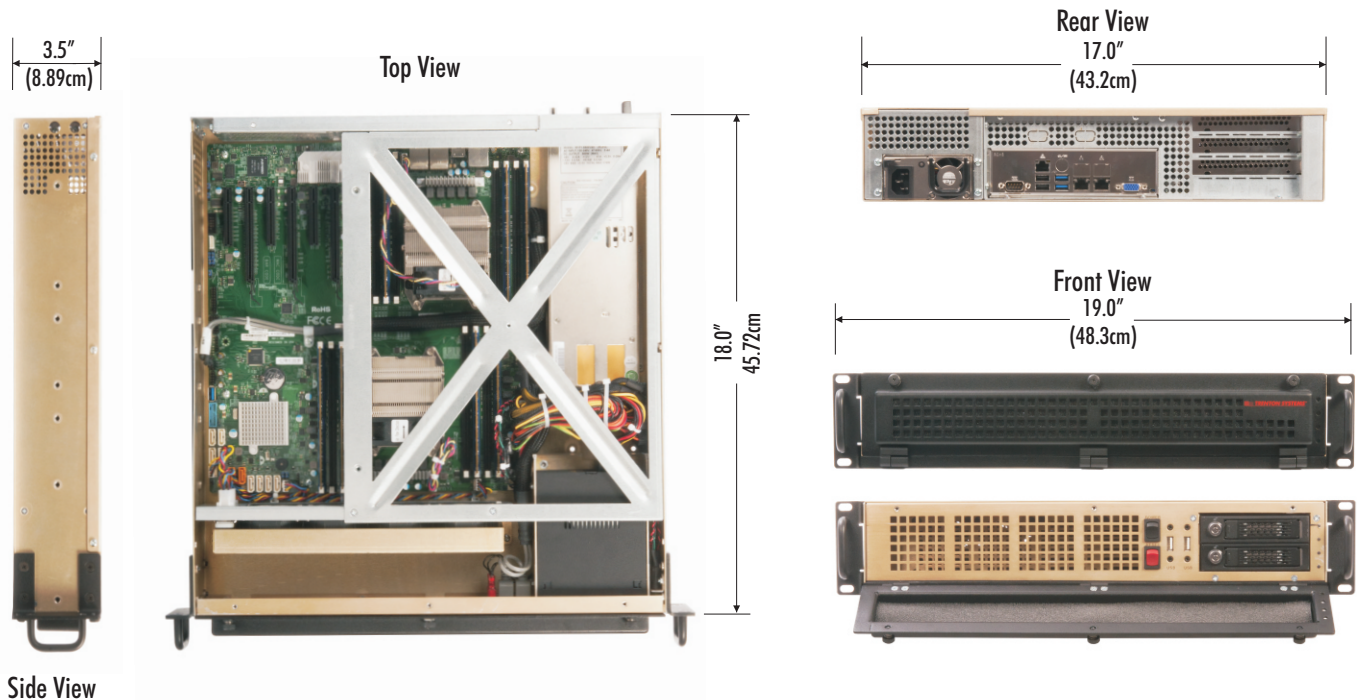


TRC2008 OVERVIEW:

The TRC2008 is another Trenton customer-driven computing solution. Designed for a customer who needed to put Trenton Systems' unmatched reliability into a 2U, short-depth chassis that met exacting standards for ruggedization and performance, the TRC2008 is a prime example of how Trenton can provide routine customization through complete, ground-up solutions to your computing challenges.

With dual Intel® Xeon® E5-2600 v3 series processors, the TRC2008 brings high performance computing to a compact platform suitable for mounting in a wide variety of space-constrained environments. The reinforced, ruggedized chassis results in a system that can be deployed to the most demanding of environments and retain a long system life. Three full-height PCI Express 3.0 x16 option card slots afford great flexibility in deployment capabilities and the additional security of locking storage disk drive carriers result in exceptional application security.


TRC2008 CHASSIS LAYOUT CONFIGURATION:



TRENTON RACKMOUNT COMPUTER: TRC2008

MODEL	DESCRIPTION
TRC2008	Ruggedized 2U Rackmount computer system with a long-life motherboard solution supporting Intel® Xeon® E5-2600 v3 series processors. Multiple PCI Express 3.0 configuration options supporting up to 3 full-height COTS option cards and multiple storage disc drive configurations.

TECHNICAL SPECIFICATIONS:

MODEL NAME and DESCRIPTION	TRC2008- 2U, 18" deep, rackmount computer with a long-life motherboard, removable power supply with up to 3 full-height PCIe 3.0 option cards
BASE CONFIGURATION	<p>The base configuration of the TRC2008 rackmount computer provides the fastest product delivery possible at the lowest possible price point. The base configuration consists of the following sub-components.</p> <ul style="list-style-type: none"> ① Processor Board Type: Long-life motherboard ② Base Processors: Intel Xeon E5-2620 v3 ③ Base Processor Specs.: 2.4GHz, six-core with Intel Hyper-Threading, 15MB Cache, 85W TDP ④ PCI Express Configuration Options: 3 - PCI Express 3.0 x16 slots ⑤ System Memory: 8GB installed (DDR4-2133 DIMMs) ⑥ Storage: 1, 500GB 2.5" SATA III HDD, front removable, installed ⑦ Optical Media: None ⑧ O/S: None, optional operating systems available ⑨ Power Supply: 1 - 500W, user removable without opening chassis
FRONT PANEL I/O	2 - USB 2.0 Ports, power on/off and system reset switches
REAR PANEL I/O	<ul style="list-style-type: none"> ① 2, USB 3.0 Ports ② 2, USB 2.0 Ports ③ 1, COMM Port (RS232/422/485) <ul style="list-style-type: none"> ④ 1, VGA Port ⑤ 1, IPMI LAN ⑥ 2, 10Gigabit Ethernet LAN
MEMORY OPTIONS	16 DDR4-2133 DIMM slots supporting configurations up to 512GB
PROCESSOR OPTIONS	<p>The motherboard's Intel® C612 Platform Controller Hub supports the additional long-life processor options listed below:</p> <ul style="list-style-type: none"> • Intel® Xeon® E5-2695 v3: 2.3GHz, 14-core with Intel® Hyper-Threading, 35MB Cache, 120W TDP • Intel® Xeon® E5-2680 v3: 2.5GHz, 12-core with Intel® Hyper-Threading, 30MB Cache, 120W TDP • Intel® Xeon® E5-2658 v3: 2.2GHz, 12-core with Intel® Hyper-Threading, 30MB Cache, 105W TDP • Intel® Xeon® E5-2640 v3: 2.6GHz, 8-core with Intel® Hyper-Threading, 20MB Cache, 90W TDP • Intel® Xeon® E5-2609 v3: 1.8GHz, 6-core without Intel® Hyper-Threading, 15MB Cache, 85W TDP • Intel® Xeon® E5-2648L v3: 1.8GHz, 12-core with Intel® Hyper-Threading, 30MB Cache, 75W TDP • Intel® Xeon® E5-2628L v3: 2.0GHz, 10-core with Intel® Hyper-Threading, 25MB Cache, 75W TDP • Intel® Xeon® E5-2618L v3: 2.3GHz, 8-core with Intel® Hyper-Threading, 20MB Cache, 75W TDP • Intel® Xeon® E5-2608L v3: 2.0GHz, 6-core with Intel® Hyper-Threading, 15MB Cache, 52W TDP 
DRIVE BAYS	2 - 3.5" drive bays supporting 2, 2.5" storage drives in base configuration. Alternative configurations are available.
COOLING	4 - 60mm Fans (front-mounted), 66.75 CFM each, with on-board PWM fan speed control
AIR FILTER	Front access system filter for cleaning and maintenance
POWER SUPPLY OPTIONS	User-removable 500W, base configuration, additional power supply options available
MECHANICALS	<ul style="list-style-type: none"> • 2U, 18" aluminum rackmount chassis: 19.0"/48.3cm (W) x 3.5"/8.89cm (H) x 18"/45.72cm (D) • Chassis weight: 21.8lbs/9.88kg includes chassis, long-life motherboard, power supply and ancillaries of base configuration only • Final system weight is a function of a your specific TRC2008 rackmount computer configuration

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.

NOTE: The chassis photos on page one are shown for illustrative purposes only.

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