

TSS5201

TRENTON SYSTEMS STORAGE SERVER



FEATURES

- Forty-eight 2.5" forward-facing hot-swap drive bays
- Choice of dual or single-processor PICMG 1.3 Host Board
- Dual COTS storage controllers reduce storage latency
- Airflow optimized for passively cooled components
- Lightweight, rugged aluminum chassis design
- AC or DC power supplies for deployment flexibility
- High performance fans for system longevity
- Engineered, integrated and supported in the USA
- Easily deploys where other storage platforms cannot



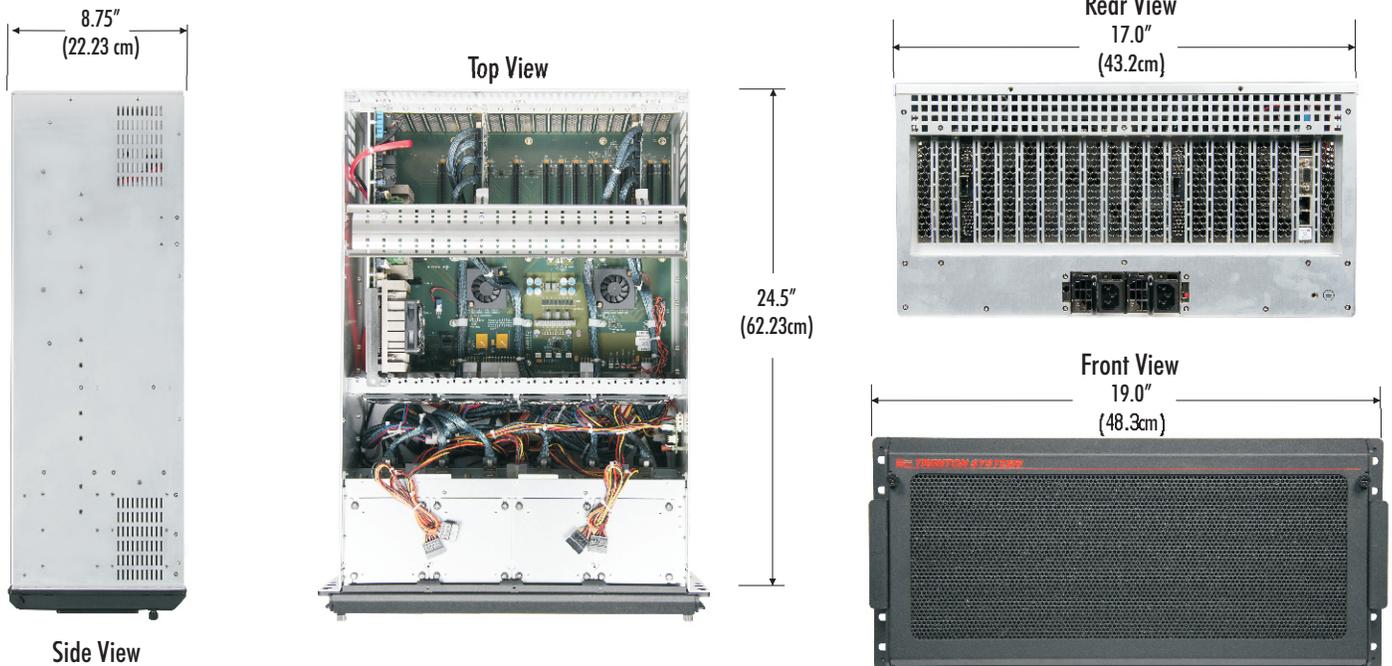
TSS5201 OVERVIEW:

The TSS5201 is a Trenton Rackmount Storage Server preconfigured to deliver maximum high-performance storage capacity in a standard, 5U 19" rackmount chassis constructed of lightweight, resilient aluminum and featuring a variety of system ruggedization features. Supporting 48, 2.5" hot-swappable, forward facing drive bays, the TSS5201 delivers a reliable data storage solution to locales where it could not previously be deployed.

At the heart of the TSS5201 is a choice of Trenton Systems dual or single processor PICMG 1.3 System Host Board, combined with the BPG8194 PCIe 3.0 PICMG 1.3 backplane. This system architecture model allows for a large number of additional high-speed PCIe Gen3 option cards to be utilized in the system, increasing the deployment flexibility of the platform. In this example configured system, two COTS PCIe storage controllers allow the system to address the storage drives.

Like all of our rugged rackmount computers, the TSS5201 is designed, integrated and supported by Trenton Systems in the United States for higher ROI and extended system life. As always, our exclusive 5-year factory warranty on system host boards and backplanes comes standard with the Trenton TSS5201.

TSS5201 CHASSIS LAYOUT CONFIGURATION:



TRENTON CONFIGURED SYSTEM: TSS5201

MODEL	DESCRIPTION
TSS5201	This rackmount computer features a configuration designed to deliver a high-performing, scalable data storage platform in a rugged, lightweight chassis package that offers deployment flexibility and durability that standard storage servers lack.

TSS5201 PHYSICAL DETAIL:



FRONT I/O AND FEATURES

- 1 Power and Reset Switches
- 2 Power Indicator
- 3 Front-access USB 2.0
- 4 Slimline Optical Drive
- 5 Storage Drives
- 6 Removable Front Cover with Dust Filter

REAR I/O AND FEATURES

- 1 System Host Board
- 2 Storage Controller Cards
- 3 Micro-Redundant Power Supplies
- 4 Chassis Grounding Lug
- 5 VGA and 10/100/1000 Ethernet (2)
- 6 iSAS (2)

INTERNAL COMPONENTS

- 1 System Host Board
- 2 Storage Controller Cards
- 3 BPG8194 PCIe 3.0 Backplane
- 4 Fan Control Circuitry
- 5 High Volume Fan Array
- 6 Additional Internal Drive Bays

TSS5201 RECOMMENDED CONFIGURATION:

PROCESSORS	2 - Intel® Xeon® E5-2400 v2 Series	COOLING	4 - 92mm Fans (mid-mounted) 102CFM each Chassis airflow optimized for peak performance with onboard fan speed control circuitry Front-mount air filter for simplified system maintenance
MEMORY	Up to 48GB of DDR3-1600 ECC	CHASSIS	5U, 24.5" depth, 19" rackmount rugged aluminum chassis, EIA RS-310C compliant Removable front filter cover, locking storage drive carriers 19.0"/48.3cm (W) x 8.75"/22.23cm (H) x 24.5"/62.23cm (D) Total system weight 52.2lbs/23.7kg
OPTION CARDS	Avago MegaRAID 9280-24i4e RAID Controllers (2)	SHB	Trenton BXT7059 PICMG 1.3 Dual-Processor Host Board
STORAGE	48 - 2.5" front-facing, hot-swap HDD carriers 4 - 2.5" internal storage bays	BACKPLANE	Trenton BPG8194 PCIe 3.0 PICMG 1.3 Backplane
CONNECTIVITY	2 - 10/100/1000 Gigabit Ethernet onboard SHB 2 - External SAS connectors via Controllers	POWER SUPPLY	Redundant, 1200 Watts

Trenton Systems is a leader in the systems integration, board level products design and embedded computing arenas. With over thirty years of experience in designing reliable, high-performance computing solutions, Trenton offers services ranging from BIOS revision control and system customization through complete, ground-up, customer-driven computing engineering services.

Contact us today to see how our engineering expertise can help you engage your computing challenges.

Standard industry certifications and approvals for your specific system configuration are also available from Trenton Systems.

*NOTE: The chassis photos are shown for illustrative purposes only.
All product and company names are trademarks of their respective companies.*



Copyright ©2016 by TRENTON Systems Inc, All rights reserved

TRENTON Systems, Inc. 1725 MacLeod Drive, Lawrenceville, Georgia 30043 Sales: (800) 875-6031 Phone: (770) 287-3100 Fax: (770) 287-3150
E-mail: Sales@TrentonSystems.com Web: www.TrentonSystems.com

8415201 10046 1.0