

TSC4600

TRENTON SHELFMOUNT / WALLMOUNT COMPUTER



Trenton TSC4600 Shelfmount / Wallmount Computer
Shown with a Dual-Processor MicroATX motherboard

FEATURES

- Flexible chassis design easily mounts to either a shelf or a wall
- Very small computer chassis supports four, full-height option cards
- One x16 and two x8 PCI Express 2.0 card slots and one PCI slot
- Easy mounting inside a machine, on a backwall in a control cabinet, inside a vehicle, underneath an operator console or other space-limited locations
- Long-life MicroATX embedded motherboard with two quad-core Intel® Xeon® processors delivers superior system performance
- Multiple storage options, Ethernet interfaces and I/O ports

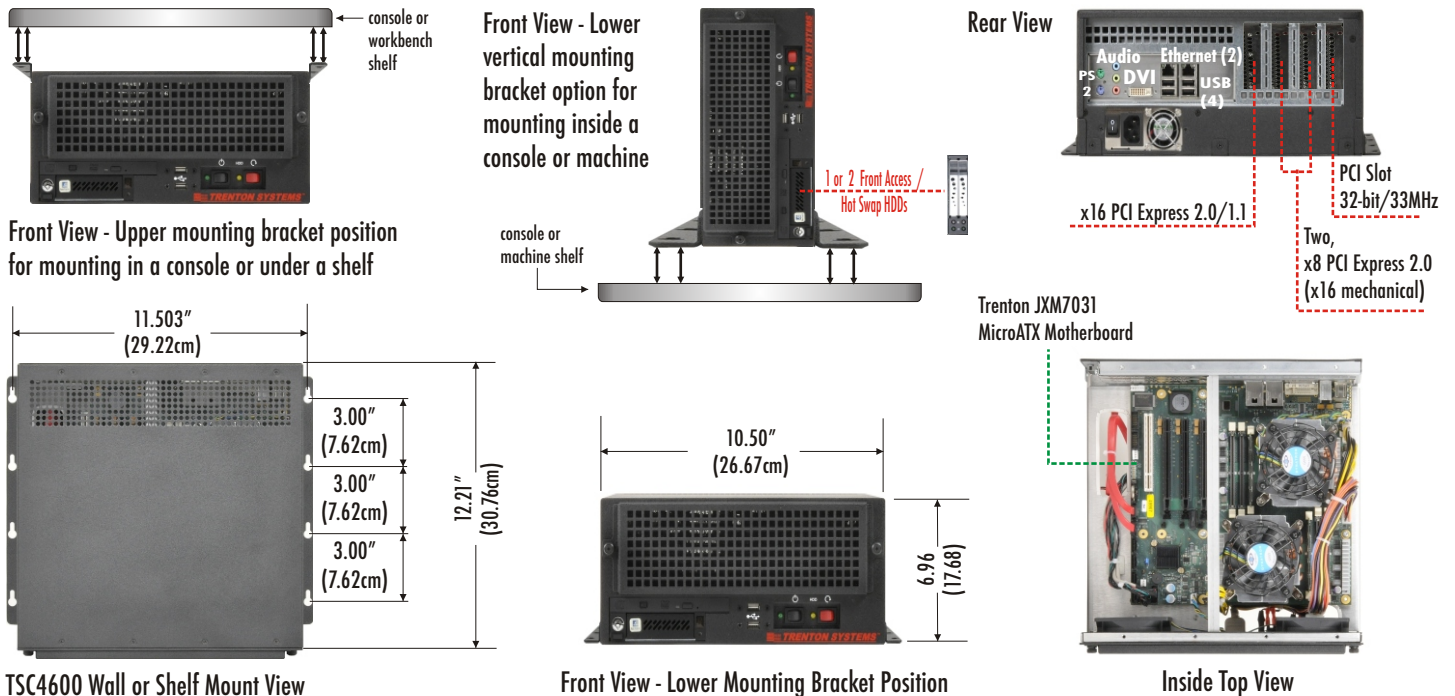


TSC4600 OVERVIEW:

The Trenton TSC4600 is a shelfmount computer system available for use with Trenton's dual-processor MicroATX (uATX) motherboard (JXM7031). The TSC4600 features a flexible enclosure design that allows the computer to be mounted in different orientations and in a wide variety of locations. This shelfmount / wallmount computer provides a unique combination of space savings, PCI Express 2.0 option card support, expanded data storage and dual-processor MicroATX motherboard performance in long-life embedded computing applications. A few application examples for the TSC4600 include: mobile command and control vehicles, industrial automation process control & assembly machines, material handling and airborne surveillance platforms.

A common TSC4600 configuration features two, quad-core Intel® Xeon® Processors EC5549 (Jasper Forest). Additional long-life CPU options are available for use in TSC4600 computers to enhance system longevity. A TSC4600 configuration supports either two 2.5" or one 3.5" front access / hot swap HDDs and four, full-height card slots for PCIe and PCI option cards.

TSC4600 SYSTEM LAYOUT:



TRENTON STANDARD SYSTEM: TSC4600

SYSTEM MODEL	DESCRIPTION
TSC4600	Shelfmount / Wallmount computer features an extended-life uATX motherboard with two quad-core processors and four full-height option card slots

TECHNICAL SPECIFICATIONS:

MODEL NAME	TSC4600
DESCRIPTION	Shelfmount /wallmount computer with a choice of MicroATX motherboards including Trenton's long-life uATX board featuring two quad-core CPUs
CHASSIS TYPE	Compact computer enclosure with flexible mounting options for computer mounting and support for four full-height option cards
CONSTRUCTION	Lightweight Rugged Aluminum
MOTHERBOARD OPTIONS	Trenton JXM7031 - MicroATX motherboard with two long-life Quad-Core Intel® Xeon® C5500 Processors, additional motherboard options available
REAR CHASSIS I/O INTERFACES ²	2 - 10/100/1000Base-T Ethernet, 4 - USB 2.0, 1 - DVI-I Digital/Analog Video, HD Audio (Line In, Line Out, MIC), PS/2 Mouse, PS/2 Keyboard
VIDEO ²	1 - DVI-I video port supports analog or digital monitors with 8MB of on-board video memory to drive pixel resolutions up to 1920 x 1200 (WUXGA)
I/O CARD SLOT CONFIGURATION ²	The chassis's four available horizontal I/O card slots support x16 and x8 PCI Express 2.0/1.1 interfaces as well as a PCI 32-bit/33MHz interface.
DRIVE BAYS	1 - Front access HDD bay may be used to support either 1 - 3.5" or 2 - 2.5" hot swap storage drives, 1 - Slim-line optical media drive bay
STANDARD OPTICAL DRIVE	1 - Slim-line DVD-RW
OPTICAL DRIVE UPGRADE OPTION	1 - Blu-Ray burner
POWER SUPPLY OPTIONS	1 - 1U, EPS, 500W, 90-264 VAC full range, other power supply options available upon request
COOLING	2 - 80mm Fans (front-mounted)
INDICATORS	LEDs for HDD activity and Power status
FRONT PORTS and SWITCHES	2 - USB 2.0, 1 - Power On/Off, 1 - System Reset
AIR FILTER	Front access system filter requires no tools for fast and easy filter cleaning and maintenance
CHASSIS MOUNTING	Flexible mounting bracket locations enable horizontal or vertical shelf, wall, console, workstation and OEM machine equipment installations
CHASSIS NET WEIGHT	15.0 Lbs. (6.81 Kg) chassis + JXM7031 motherboard + 1U EPS power supply only
METRIC DIMENSIONS	26.67cm (W) x 17.68cm (H) x 30.76cm (D)
ENGLISH DIMENSIONS	10.50" (W) x 6.96" (H) x 12.11" (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.
2. I/O and option card interfaces available with Trenton JXM7031 motherboard. Additional motherboard options will have slightly different interface connections.

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