TSC3600

TRENTON SHELFMOUNT / WALLMOUNT COMPUTER

Trenton TSC3600 Shelfmount / Wallmount Computer
Shown with a Dual-Processor MicroATX motherboard

FEATURES

- Flexible chassis design easily mounts to either a shelf or a wall
- Small computer system foot print is ideal for 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, dual-processor, MicroATX embedded motherboard
- Two quad-core Intel® Xeon® processors for enhanced functionality
- Supports PCI Express 2.0/1.1 card slots plus a PCI slot
- TPM 1.2 for Trusted Computing applications
- Multiple storage options, Ethernet interfaces and I/O ports

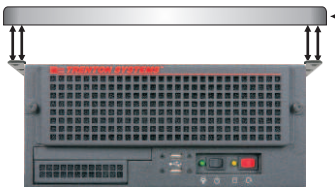
TRENTON SYSTEMS™
Engineered For Reliability

TSC3600 OVERVIEW:

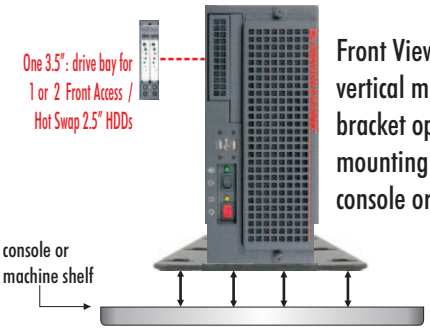
The Trenton TSC3600 is a CE-compliant and UL recognized shelfmount computer system available for use with Trenton's dual-processor MicroATX (uATX) motherboard (JXM7031). The TSC3600 features a flexible enclosure design that allows the computer to be mounted in different orientations and a variety of locations. This system 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 TSC3600 include: mobile command and control vehicles, industrial automation process control & assembly machines, material handling and airborne surveillance platforms.

A common TSC3600 configuration features two, quad-core Intel® Xeon® Processors EC5549 (Jasper Forest). Additional long-life CPU options are available for use in TSC3600 computers to enhance system longevity. A typical TSC3600 configuration supports either two 120GB 2.5" or one 500GB 3.5" front access / hot swap HDDs and one optical media device.

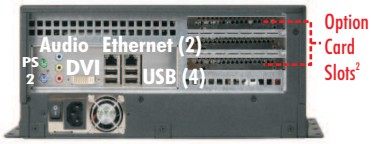
TSC3600 SYSTEM LAYOUT:



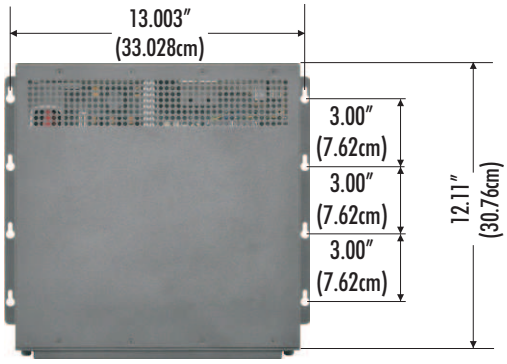
Front View - Upper mounting bracket position for mounting in a console or under a shelf



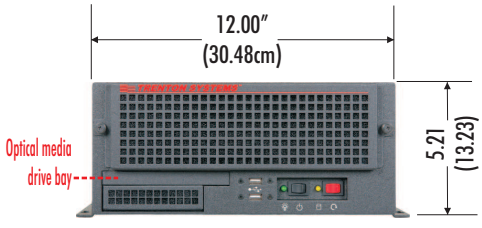
Front View - Lower vertical mounting bracket option for mounting inside a console or machine



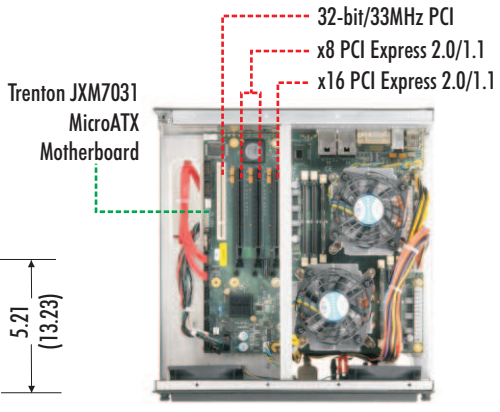
Rear View



TSC3600 Wall or Shelf Mount View



Front View - Lower Mounting Bracket Position



Inside Top View

TRENTON STANDARD SYSTEM: TSC3600

SYSTEM MODEL	DESCRIPTION
TSC3600	CE-compliant and UL recognized shelfmount / wallmount computer features an extended-life uATX motherboard with two quad-core processors and PCIe 2.0/1.1 option card slots

TRENTON Systems Inc. · 2350 Centennial Drive, Gainesville, Georgia 30504 · Sales: (800) 875-6031 · Phone: (770) 287-3100 · Fax: (770) 287-3150
E-mail: Sales@TrentonSystems.com · Web: www.TrentonSystems.com

TECHNICAL SPECIFICATIONS:

MODEL NAME	TSC3600
DESCRIPTION	Shelfmount /wallmount computer with a choice of MicroATX motherboards including Trenton's long-life uATX board featuring two quad-core CPUs
AGENCY APPROVALS & COMPLIANCE	The TSC3600 is CE and FCC compliant via the ECM Directive 2004/108/EC including EMI/EMC and FCC Part 15 Subpart B / IEC CISPR 22:2006 Class A. The TSC3600 system is a UL recognized product listed in file #E208896-A4-UL dated 2013-02-28. Certificates of compliance documents and the full UL test report are available upon request.
CE CONFORMITY STANDARDS	EN60950-1:2006 including: EN55022:2006 + A1:2007 Class A, EN61000-3-2:2006 Class D, EN61000-3-3:2008 Long and Short Duration, EN55024:1998 + A1:2001 + A1:2003 All applicable tests and levels
CHASSIS TYPE	Compact computer enclosure with flexible mounting options for computer mounting above or below a shelf or on a wall
CONSTRUCTION	Lightweight Rugged Aluminum
MOTHERBOARD OPTIONS	Trenton JXM7031 - uATX featuring two long-life Quad-Core Intel® Xeon® C5500 Processors or a single-processor JXMS7031 or JXMI8001 uATX MB
REAR CHASSIS I/O INTERFACES[3]	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[3]	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[4]	The chassis's three available horizontal I/O card slots support x16 and x8 PCI Express 2.0/1.1interfaces 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 - Optical media drive bay
OPTICAL DRIVE	1 - DVD-RW (standard) / Blu-Ray burner (optional)
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
DIMENSIONS	12.00" / 30.48cm (W) x 5.21" / 13.23cm (H) x 12.11" / 30.76cm (D)

NOTES:

1. *The chassis photos are shown for illustrative purposes only.*
2. *Three maximum slots available, actual number and interface type are riser card dependent.*
3. *I/O interfaces available with Trenton JXM7031 motherboard.*
4. *Trenton JXM7031 supports the interfaces listed. The specific riser card option selected will determine the option card interfaces routed to each mechanical rear I/O card slot. With the JXMS7031 & JXMI8001 single-processor motherboards; the x16 PCIe electrical interface is not supported which means one less rear I/O card slot is available for use.*

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.

Final system weight, environmental specifications and total power consumption estimates are a function of the specific system configuration.

TRENTON SYSTEMS™
Engineered For Reliability

TRENTON Systems Inc. · 2350 Centennial Drive, Gainesville, Georgia 30504 · Sales: (800) 875-6031 · Phone: (770) 287-3100 · Fax: (770) 287-3150
E-mail: Sales@TrentonSystems.com · Web: www.TrentonSystems.com