TVC4405 TRENTON SHELFMOUNT / WALLMOUNT VIDEO CONTROLLER

Trenton TVC4405 Shelfmount / Wallmount Video Controller
Shown with a MicroATX motherboard and with Lower Mounting Brackets for Shelfmount Installations

FEATURES

- Compact video controller solution ideal for process control, command & control, security surveillance and network operations centers
- Very small computer chassis supports four full-height option cards including up to three PCI Express Gen2 video controller boards
- Easy chassis mounting inside an enclosure, on a backwall in a control cabinet or underneath a control console
- Local data storage with up to two hot swap and front access HDDs
- Long-life MicroATX motherboard options include support for one or two quad-core Intel® Xeon® processors
- Made in U.S.A for longevity and dependability

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TVC4405 OVERVIEW:

The Trenton TVC4405 is a shelfmount video controller system that features industry standard MicroATX (uATX) motherboard options including Trenton's JXMS7031and JXM7031. The TVC4405 features a flexible enclosure design that allows the controller to be mounted in different orientations and in a wide variety of locations. This shelfmount /wallmount video controller provides a unique combination of space savings, PCI Express 2.0 interfaces for the latest video controller board support, expanded data storage and single and dual-processor MicroATX motherboard performance. A few TVC4405 application examples include video display wall systems used in military command and control, security surveillance, process control, digital signage and network operation centers.

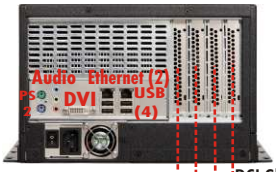
A common TVC4405 configuration features one or two, quad-core Intel® Xeon® Processors EC5549. Additional long-life CPU options are available to enhance system longevity. A standard TVC4405 configuration supports either two 2.5" or one 3.5" front access / hot swap HDDs and four, full-height card slots for PCI Express and PCI option cards.

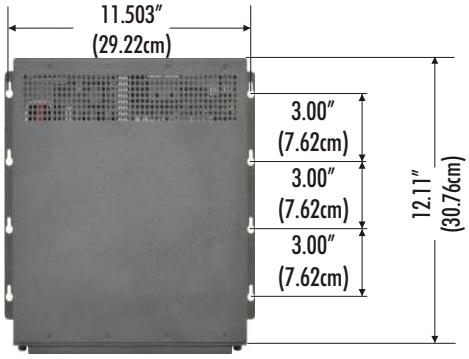
TVC4405 SYSTEM LAYOUT[1]:

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

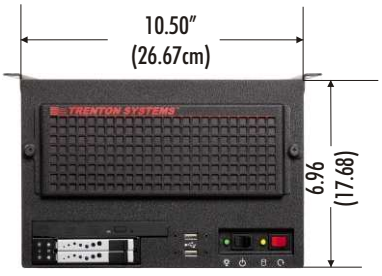
Front View - Lower vertical mounting bracket option for mounting inside a console or machine

Rear View





TVC4405 Wall or Shelf Mount View



Front View - Upper Mounting Bracket Position

Trenton JXM7031 MicroATX Motherboard

Inside Top View

TRENTON VIDEO CONTROLLER: TVC4405

SYSTEM MODEL	DESCRIPTION
TVC4405	Shelfmount / Wallmount computer features an extended-life uATX motherboard with one or two quad-core processors and support for up to three PCI Express 2.0 video controller boards plus built-in support for an additional PCI network, I/O or storage device card

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TECHNICAL SPECIFICATIONS:

MODEL NAME	TVC4405
DESCRIPTION	Shelfmount /wallmount video controller, front access drive bays, a MicroATX motherboard and up to three PCIe 2.0 video controller cards
CHASSIS TYPE	Compact video controller enclosure with flexible mounting options for chassis mounting and support for one full-height PCI and three PCIe 2.0 cards
CONSTRUCTION	Lightweight Rugged Aluminum
MicroATX MOTHERBOARDS	Standard uATX motherboard options including the dual-processor Trenton JXM7031or single-processor JXMS7031 Trenton MicroATX motherboard options feature long-life,Quad-Core Intel® Xeon® C5500 Processors
REAR CHASSIS MB 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
I/O CARD SLOT CONFIGURATION[2,3]	The chassis's four available vertical 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 - 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 JXM7031or JXMS7031motherboard. Additional motherboard options will have slightly different interface connections.*
3. *DP JXM7031supports three PCIe cards and UP JXMS7031 supports two PCIe cards.*

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