

# TVC3401

## TRENTON SHELFMOUNT / WALLMOUNT VIDEO CONTROLLER



Trenton TVC3401 Shelfmount / Wallmount Video Controller  
Shown with a MicroATX motherboard

### FEATURES

- Enables compact video display wall designs using High-Def video inputs and outputs
- Low-profile video controller solution ideal for process control, command and control, security surveillance, corporate boardroom, event and trade show applications
- Small video controller foot print is ideal for mounting inside a display wall enclosure, on a control cabinet backwall, in a vehicle, underneath an operator console or in other space-limited locations
- Supports two PCI Express Gen2 video controller boards
- Made in U.S.A for longevity and dependability

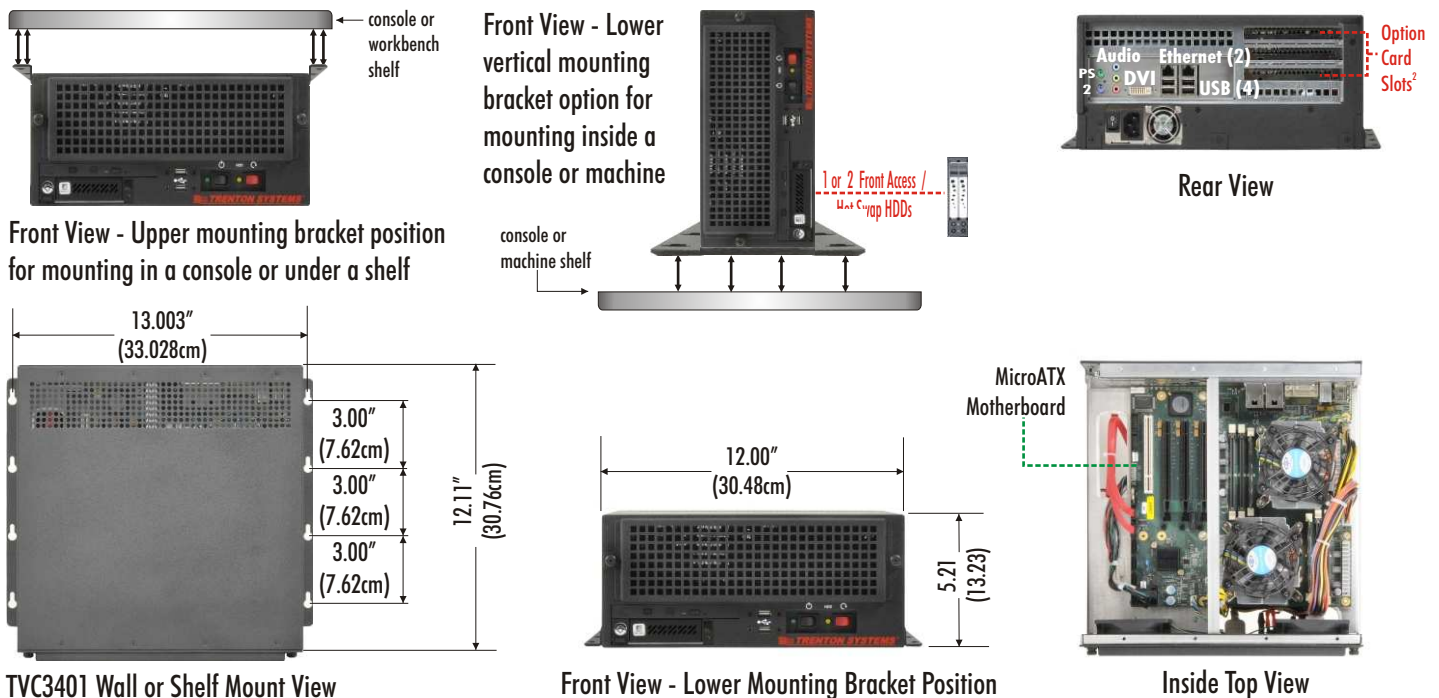


### TSC3401 OVERVIEW:

The Trenton TVC3401 is a shelfmount video controller system available for use with Trenton's single-processor MicroATX (uATX) motherboard (JXMS7031). The TVC3401 features a low-profile enclosure design that allows the computer to be mounted in different orientations and in a wide variety of space-constrained 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-processor MicroATX motherboard performance in long-life embedded video controller applications. A few application examples for the TVC3401 include video display wall systems used in mobile command and control vehicles, industrial automation process control, security surveillance, event and trade show displays.

A common TVC3401 configuration features a quad-core Intel® Xeon® Processors EC5509 (Jasper Forest). Additional long-life CPU options are available for use in TVC3401 computers to enhance system longevity. A typical TVC3401 configuration supports either two 120GB 2.5" or one 500GB 3.5" front access / hot swap HDDs and one optical media device.

### TVC3401 SYSTEM LAYOUT<sup>1</sup>:



### TRENTON STANDARD SYSTEM: TVC3401

SYSTEM MODEL	DESCRIPTION
TVC3401	Shelfmount / Wallmount computer features an extended-life uATX motherboard with a quad-core processor and support for up to two PCIe Gen2 video controller cards

**TECHNICAL SPECIFICATIONS:**

MODEL NAME	TVC3401
DESCRIPTION	Shelfmount /wallmount video controller, front access drive bays, single-processor MicroATX motherboard and up to two PCIe 2.0 video controller cards
CHASSIS TYPE	Compact video controller enclosure with flexible mounting options for chassis mounting above or below a shelf or on a wall
CONSTRUCTION	Lightweight Rugged Aluminum
MicroATX MOTHERBOARD	Trenton JXMS7031 - MicroATX motherboard with a long-life Quad-Core Intel® Xeon® C5500 Processor
REAR CHASSIS MB INTERFACES <sup>3</sup>	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 <sup>4</sup>	The chassis's three available horizontal I/O card slots support in combination with the choice of riser card determine PCIe interface parameters.
VIDEO CONTROLLER CARD OPTIONS	PCI Express 2.0 or 1.1 video controller cards <sup>3</sup>
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
STANDARD OPTICAL DRIVE	1 - 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	30.48cm (W) x 13.23cm (H) x 30.76cm (D)
ENGLISH DIMENSIONS	12.00" (W) x 5.21" (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. Three maximum slots available, actual number and interface type are riser card dependent.
3. I/O interfaces available with Trenton JXMS7031 motherboard. Additional motherboard options will have slightly different I/O interface connections.
4. Trenton JXMS7031 supports the interfaces listed. The specific riser card option selected will determine the option card interfaces routed to each chassis I/O card slot.

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