# TVC3400
## TRENTON SHELFMOUNT / WALLMOUNT VIDEO CONTROLLER



**Trenton TVC3400 Shelfmount / Wallmount Video Controller**
Shown with a MicroATX motherboard

## FEATURES

- **Enables compact 8 cube 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 Matrox Mura™ MPX Series controller boards to deliver up to 8 video outputs and inputs**
- **Made in U.S.A for longevity and dependability**


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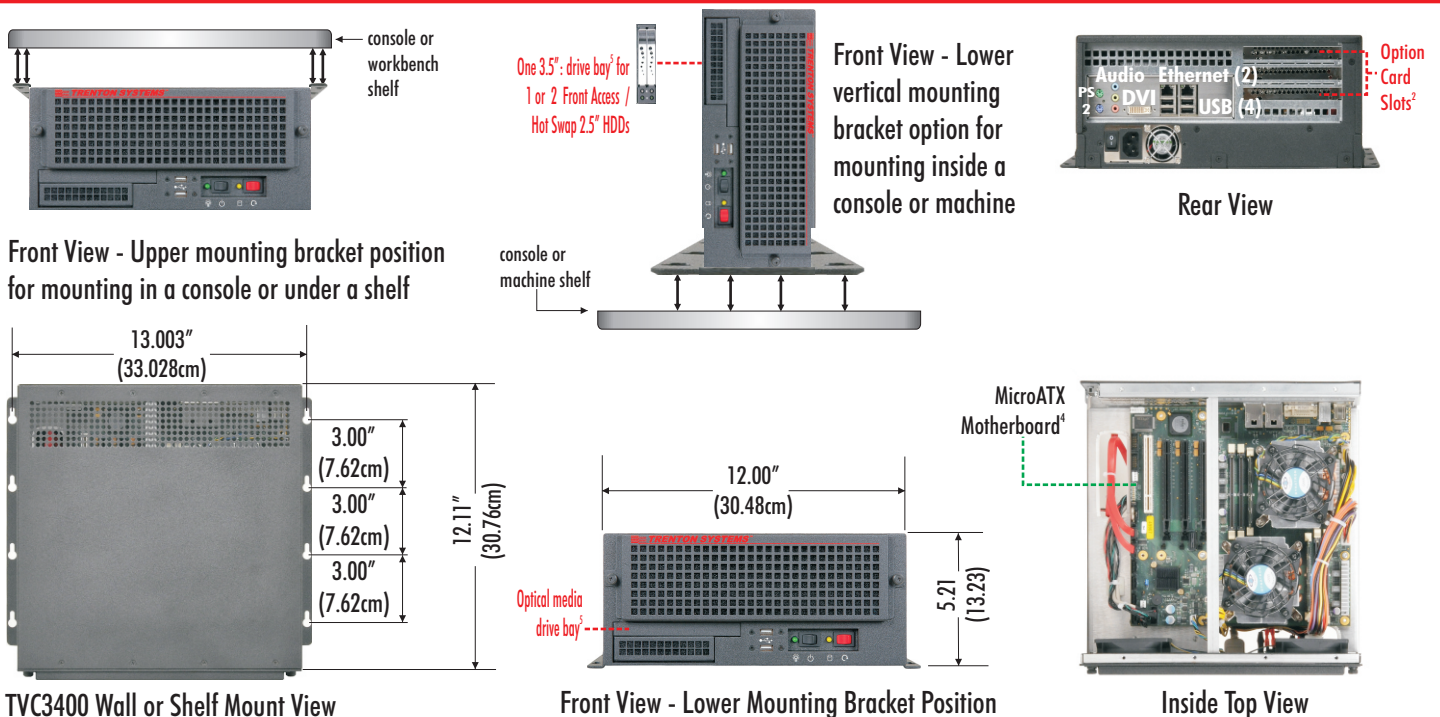Graphics for Professionals

### TSC3400 OVERVIEW:

The Trenton TVC3400 is a CE-compliant and UL recognized shelfmount video controller system available for use with Trenton's single-processor MicroATX (uATX) motherboard (JXMS7031). The TVC3400 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 Matrox Mura MPX Series 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 TVC3400 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 TVC3400 configuration features a quad-core Intel® Xeon® Processor EC5509 (Jasper Forest). Additional long-life CPU options are available for use in TVC3400 computers to enhance system longevity. A typical TVC3400 configuration supports either two 120GB 2.5" or one 500GB 3.5" front access / hot swap HDDs and one optical media device.

### TVC3400 SYSTEM LAYOUT[1]:


→ console or workbench shelf

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


One 3.5": drive bay[5] for 1 or 2 Front Access / Hot Swap 2.5" HDDs

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

console or machine shelf


Audio Ethernet (2)
PS 2
DVI
USB (4)
Option Card Slots[2]

Rear View


13.003"
(33.028cm)
3.00" (7.62cm)
3.00" (7.62cm)
3.00" (7.62cm)
12.11" (30.76cm)

TVC3400 Wall or Shelf Mount View


12.00" (30.48cm)
5.21 (13.23)
Optical media drive bay[5]

Front View - Lower Mounting Bracket Position


MicroATX Motherboard[4]

Inside Top View

### TRENTON STANDARD SYSTEM: TVC3400

| SYSTEM MODEL | DESCRIPTION |
| --- | --- |
| TVC3400 | CE-compliant and UL recognized shelfmount / wallmount computer features an extended-life uATX motherboard with a quad-core processor and support for up to two Matrox Mura MPX series cards |

## TECHNICAL SPECIFICATIONS:

| | |
|---|---|
| MODEL NAME | TVC3400 |
| DESCRIPTION | Shelfmount /wallmount video controller, front access drive bays, single-processor MicroATX motherboard and up to two Matrox Mura MPX cards |
| AGENCY APPROVALS & COMPLIANCE | The TVC3400 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 TVC3400 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. |
| 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 |
| MATROX MURA MPX SERIES OPTIONS | Universal Output/Input Boards: Mura MPX-4/4, Mura MPX-4/2, Mura-4/0 |
| MicroATX MOTHERBOARD | Trenton JXMS7031 - Single-processor MicroATX motherboard with a long-life Quad-Core Intel® Xeon® C5509 Processor is the standard configuration.  Optional configurations include the dual-processor JXM7031motherboard as well as a selection of long-life processor options. |
| SYSTEM MEMORY INSTALLED | 4GB (installed) |
| REAR CHASSIS MB 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 |
| DRIVE BAYS | 1- Front access HDD bay may be used to support either 1 - 3.5" or 2 - 2.5"  front access / hot swap storage drives, 1 - Optical media drive bay  Standard drive configuration includes 1 - 500GB, 2.5" SATA II HDD and one Slim-line DVD drive.  Additional drive configurations available upon request. |
| POWER SUPPLY | 1 - 1U, EPS, 550W, 90-264 VAC full range, other power supply options available upon request |
| INDICATORS, FRONT PORTS and SWITCHES | LEDs for HDD activity and Power status, 2 - USB 2.0 ports and 1 - Power On/Off, 1 - System Reset switch |
| COOLING and AIR FILTER | 2 - 80mm Fans (front-mounted) and 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) |

NOTES:
1. The chassis photos are shown for illustrative purposes only.
2. One less rear I/O card slot is available with the standard, single-processor JXMS7031 motherboard.  The optional, dual-processor JXM7031 motherboard supports all available rear I/O slots.
3. I/O interfaces available with the standard Trenton JXMS7031and optional JXM7031 motherboard.
4. Inside top-view system photo shows the optional JXM7031 dual-processor motherboard
5. HDD and optical drive bays are shown unpopulated

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.

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