

TVC4401

TRENTON 4U RACKMOUNT VIDEO CONTROLLER - 20" DEPTH



Trenton TVC4401 Video Controller
Shown with an ATX motherboard

FEATURES

- Matrox validated system for a wide variety of video control room applications
- Scalable solution maximizes display wall application flexibility
- Ideal video wall solution for process control, command & control, security surveillance and network operations centers, in addition to corporate boardroom and digital signage applications
- System supports up to six Matrox Mura™ MPX Series controller boards for up to 24 HD inputs and outputs
- Complete video controller solution backed with Trenton's superior technical support
- Four front access 3.5" drive bays that enable support for four 3.5" HDDs or up to eight hot swap, 2.5" HDDs plus a Slim-line optical media drive bay
- Multiple I/O and network interface ports
- Lightweight and rugged aluminum chassis
- Made in U.S.A for longevity and dependability

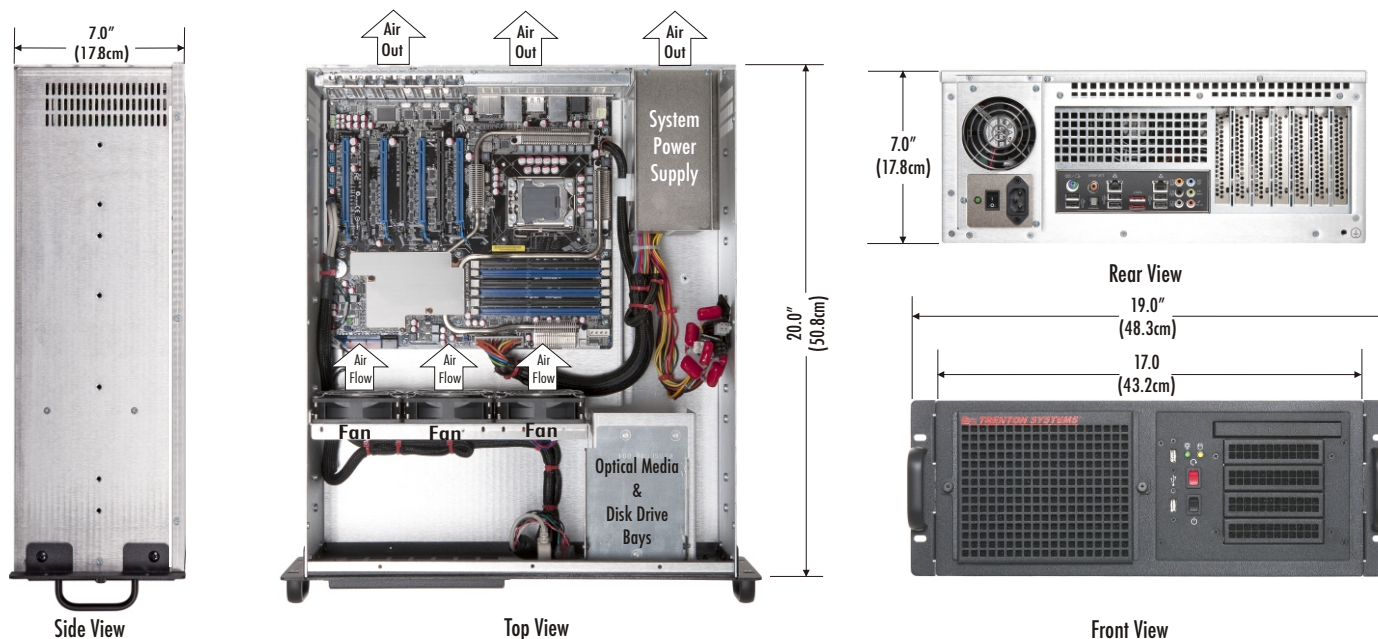


TVC4401 OVERVIEW:

The Trenton TVC4401 is a 4U system solution ideal for high-end video capture and display. The system features a motherboard option that supports up to six Matrox Mura™ MPX Series video controller cards. The motherboard option utilizes multiple x16 PCI Express 2.0 electrical interfaces to deliver superior video display wall and digital signage performance when using Matrox Mura display controller boards. The TVC4401 is a stable video controller platform that is built to last in demanding video display wall applications such as military command & control, surveillance, industrial process control and network operation centers.

The TVC4401 features four front access drive bays that support either four 3.5" or up to eight 2.5" removable and hot swap storage drives. The system's front panel also includes a Slim-line optical media bay, two USB ports, diagnostic LEDs, power and system reset switches. The TVC4401 rackmount chassis features high-capacity system fans and rear-mounted power supply options to maximize system reliability in high-end visual computing applications.

TVC4401 CHASSIS LAYOUT DRAWING - MOTHERBOARD CONFIGURATION¹:



TRENTON VIDEO CONTROLLER: TVC4401

SYSTEM MODEL	DESCRIPTION
TVC4401	4U rackmount computer with four front access 3.5" drive bays, one optical media bay with a motherboard and up to six Matrox Mura MPX series cards*

**Other Matrox Graphics card configurations available upon request*

TECHNICAL SPECIFICATIONS:

MODEL NAME	TVC4401
DESCRIPTION	4U, rackmount computer chassis with a 20" depth, four front access drive bays and motherboard configuration with up to six Matrox Mura MPX boards
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION & COLOR	Lightweight, rugged aluminum - Black front
VERSION	19" Rackmount with a motherboard configuration supporting up to six Matrox Mura MPX series video controller cards
MATROX MURA MPX SERIES OPTIONS	Universal Output/Input Boards: Mura MPX-4/4, Mura MPX-4/2, Mura-4/0
PCI EXPRESS MB CONFIGURATION	Four card slots with PCIe 2.0 x16 electrical link functionality and Three with PCIe x8 electrical link functionality. All seven PCIe card slots use x16 PCIe mechanical connectors ²
MOTHERBOARD BIOS	0904
SYSTEM MEMORY INSTALLED	4GB - Six DDR3 DIMM sockets support a total system memory capacity of 24GB
DRIVE BAYS	4 - Front 3.5" drive bays support either four 3.5" or up to eight 2.5" hot swap HDD carriers and 1 - Slim-line device bay for optical drive media
POWER SUPPLY	Mini-Redundant ATX/EPS 800W P/S
INDICATORS and SWITCHES	LEDs for HDD activity and Power Status and Switches for Power On/Off and System Reset
HOLD DOWN BAR	Flexible hold down bar for the option cards for added security in high vibration environments
COOLING and AIR FILTER	3 - 120mm Fans (center-mounted), 90 CFM each and front tool-less access to the system filter for easy cleaning and maintenance
CHASSIS NET WEIGHT	25 Lbs. (11.35 kg.) - Includes chassis + motherboard + power supply only
METRIC DIMENSIONS	48.3cm (W) x 17.8cm (H) x 50.8cm (D) (with 19" rackmount handles installed)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 20.0" (D) (with 19" rackmount handles installed)

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. PCI Express slot configuration varies with the specific motherboard selected for the system

Microsoft is a registered trademark of Microsoft Corporation. All other product and/or company names are trademarks or registered trademarks of their respective owners.

Copyright ©2011 by TRENTON Systems Inc., All rights reserved

