

TVC4406

TRENTON 4U RACKMOUNT VIDEO CONTROLLER - 20" DEPTH



Trenton TVC4406 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
- System supports up to four Matrox Mura™ MPX Series controller boards for up to 16 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

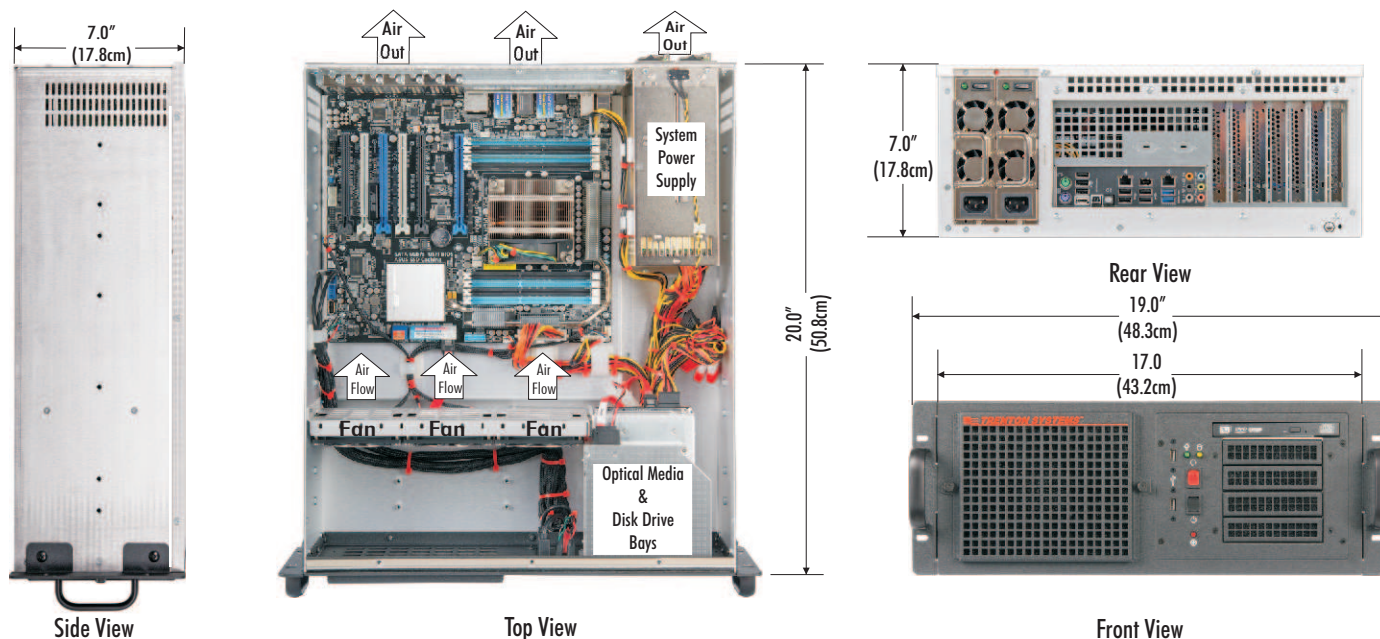


TVC4406 OVERVIEW:

The Trenton TVC4406 is a 4U system solution ideal for high-end video capture and display. The system features a motherboard option validated to support up to four Matrox Mura™ MPX Series video controller cards. The motherboard utilizes multiple x16 PCI Express electrical interfaces to deliver superior video display wall performance when using Matrox Mura display controller boards. The TVC4406 is a video controller platform built to last in demanding video display wall applications such as military command & control, surveillance, industrial process control and network operation centers.

The TVC4406 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 TVC4406 rackmount chassis features high-capacity system fans and rear-mounted power supply options to maximize system reliability in high-end visual computing applications.

TVC4406 CHASSIS LAYOUT DRAWING - MOTHERBOARD CONFIGURATION¹:



TRENTON VIDEO CONTROLLER: TVC4406

SYSTEM MODEL	DESCRIPTION
TVC4406	4U rackmount computer with four front access 3.5" drive bays, one optical media bay with a motherboard validated to support up to four Matrox Mura MPX series cards*

*Other Matrox Graphics card configurations available upon request

TECHNICAL SPECIFICATIONS:

MODEL NAME	TVC4406
DESCRIPTION	4U, rackmount computer chassis with a 20" depth, four front access drive bays and motherboard configuration validated with up to four 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 validated with up to four 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
MOTHERBOARD, CPU & O/S	ATX motherboard with the Intel® X79 Express chipset and an Intel® Core™ i7-3820 processor (3.8GHz, Six Cores, Intel® Hyper-Threading and 10MB Cache). Installed operating system is Microsoft® Windows® 7 64-bit SP1. Additional processor and operating system options available upon request.
PCI EXPRESS MB CONFIGURATION	Four x16 PCIe 3.0/2.0 mechanical card slots, PCIe electrical link configurations = PCIe1 - x16, PCIe2 - x8, PCIe3 - x8, PCIe4 - x16 or x8 Two additional x16 PCIe mechanical slots use x4 PCIe 2.0 electrical links and are available for use with general purpose I/O cards.
SYSTEM MEMORY INSTALLED	4GB (installed)
DRIVE BAYS & INSTALLED DRIVES	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 1 - 500GB, 3.5" SATA drive (fixed) and 1 - DVD R/W drive are pre-installed in standard TVC4406 configurations
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)

NOTE:

1. The chassis photos are shown for illustrative purposes only.

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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.