

TVC2400

TRENTON 2U VIDEO CONTROLLER - 18.0" DEPTH



Trenton TVC2400 Video Controller
Shown with a MicroATX motherboard

FEATURES

- Compact video controller solution ideal for process control, command and control security surveillance and network operations centers
- Small rackmount video controller foot print saves component mounting space
- Single or dual-processor long-life motherboard options
- Supports two or three PCI Express Gen2 video controller cards
- Four 2.5" or two 3.5" front-access / hot-swap HDD carriers & one optical media drive bay
- Lightweight aluminum chassis design
- Made in U.S.A for longevity and dependability

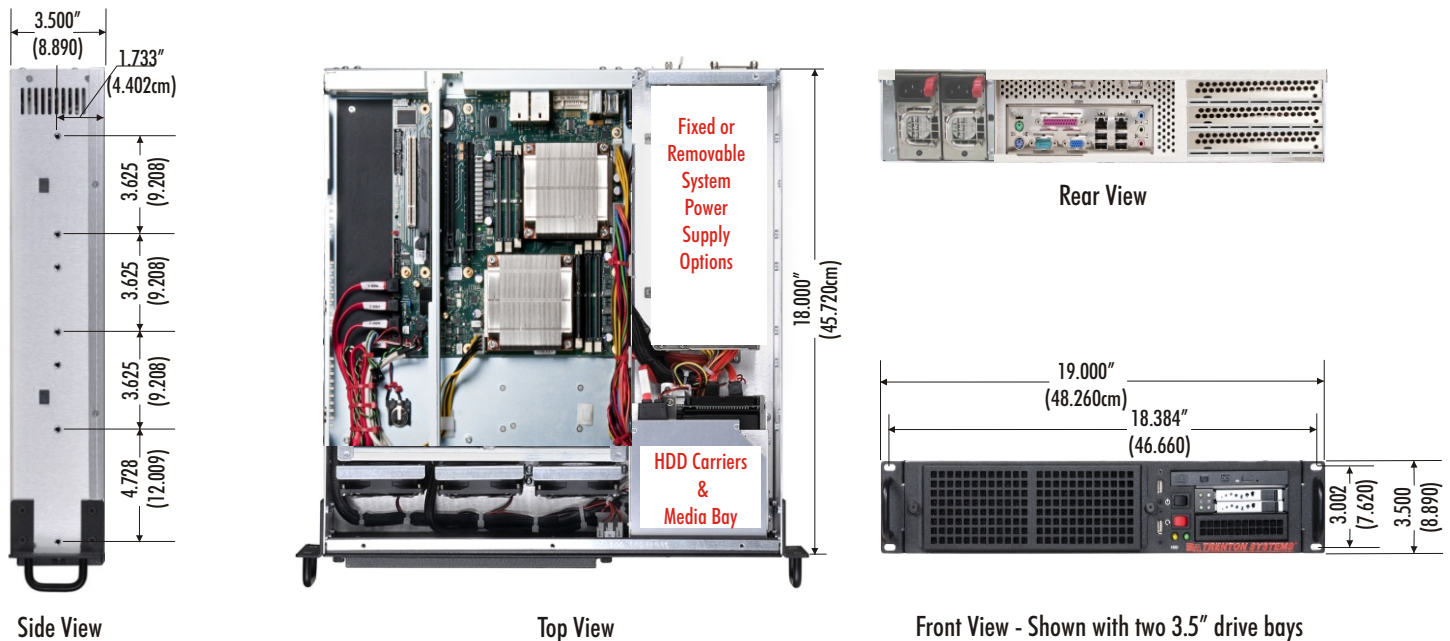


TVC2400 OVERVIEW:

The Trenton TVC2400 is designed for applications that require outstanding display wall performance in a stable video controller platform having extensive data storage capacity. This rugged and yet lightweight (23.8 lbs/10.81 kg) video controller is constructed using a 2U, rackmount aluminum chassis with a shallow 18" depth for mounting in areas where component space is at a premium. The TVC2400 is configured with a single or dual-processor motherboard to support the latest PCIe Gen2 video controller boards. A few application examples for the TVC2400 include video display wall systems used in mobile command and control vehicles, process control, security surveillance, corporate board rooms, digital signage and network operation centers.

The TVC2400 system solution supports up to four storage drives, a slim-line optical media drive and offers multiple power supply configuration options. The 18.0" chassis depth enables support for the wide variety of full-length option cards typically used in diverse applications such as medical imaging, video display walls and ground-vehicle control systems.

TVC2400 SYSTEM LAYOUT - DUAL-PROCESSOR MicroATX MOTHERBOARD CONFIGURATION¹:



TRENTON VIDEO CONTROLLER: TVC2400

CHASSIS MODEL	DESCRIPTION
TVC2400	2U rackmount video controller solution with an 18.0" depth, up to four storage drives, flexible power supply options, a single or dual-processor motherboard configuration supporting two or three PCI Express Gen2 video controller boards

TECHNICAL SPECIFICATIONS:

MODEL NAME	TVC2400
DESCRIPTION	2U, 18" deep, rackmount video controller with front access / hot swap HDD bays, UP or DP motherboard configuration with 2/3 PCIe 2.0 video controller cards
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Lightweight Rugged Aluminum
COLOR	Black (Front)
VERSION	19" Rackmount, single or dual-processor motherboard, shallow-depth chassis enclosure, up to four front access storage drives
MicroATX MOTHERBOARD OPTIONS	Trenton single processor JXMS7031 or dual-processor JXM7031 featuring long-life Intel® Xeon® C5500 processor options
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
VIDEO CONTROLLER CARD OPTIONS	PCI Express 2.0 or 1.1 video controller cards ³
I/O CARD SLOT CONFIGURATION ³	The chassis's three available horizontal I/O card slots PCI Express interfaces are determined by the specific motherboard and riser card option
MOTHERBOARD CARD INTERFACES ⁴	Trenton JXMS7031 supports two PCIe x16 mechanical / x8 electrical interfaces & the dual processor JXM7031 supports these two PCIe interfaces plus a x16 mechanical / x16 electrical interface. All three PCIe interfaces support either PCI Express 2.0 or 1.1 option cards.
DRIVE BAYS	2 - 3.5" drive bays or 4 - front removable 2.5" drive carriers for a SATA HDDs, 1 - Slim-line optical media drive bay
POWER SUPPLY OPTIONS	2U fixed rear-mounted (650W) or 1U removable (400W) ATX/EPS P/S , other P/S options available upon request
COOLING	3 - 80mm Fans (front-mounted), 67CFM each, other system fans are available
INDICATORS	Front LEDs for HDD activity and power status and rear LEDs for LAN activity
FRONT PORT and SWITCHES	2 - USB ports, 1- Power On/Off switch and 1- System Reset switch
AIR FILTER	Front access system filter for cleaning and maintenance
CHASSIS NET WEIGHT	23.8lbs. (10.81 Kg) chassis + motherboard + system power supply only
METRIC DIMENSIONS	48.3cm (W) x 8.9cm (H) x 45.7cm (D) (with 19" rackmount handles installed)
ENGLISH DIMENSIONS	19.0" (W) x 3.5" (H) x 18.0" (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. Contact Trenton for a total system weight and power consumption estimate for your specific system configuration.

NOTES:

1. The chassis photos and drawings on page one are shown for illustrative purposes only.
2. Rear I/O interfaces vary slightly with available motherboard option.
3. Option card slot interface type and quantity is a function of the motherboard and riser card option.
4. Both the JXMS7031 & JXM7031 also provide an additional 32-bit/33MHz PCI card interface.

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