VICON

Vicon's New VAX Trove Rack Enclosures

Overview

Product at a Glance

Protect Your VAX Door Controller Boards with Vicon's New Altronix® Trove™ Rack Enclosures

These 2U steel enclosures can house a variety of VAX controller boards, along with their power supplies, for easy and secure installation into most standard server racks.

Rack enclosures are a vital, yet sometimes overlooked, aspect of a successful access control operation. That's why we're offering these new rack mount options for our two, four, six and eight-door controllers – all within an acclaimed Altronix enclosure.

Thinking of a Rack-Mount Application?

These rack enclosures let you rack mount your controller boards just like you would any other equipment, so you get a straightforward and secure installation, better power management and the ability to finally organize your work area. All internal components are housed inside a drawer that slides out for easy access by authorized personnel. The Trove wall mount enclosures are still available for users who don't have a rack mount setup.

The rack enclosure contains:

▸ A master controller board

▸ Applicable number of two-door boards (1, 2, 3 or 4), depending on the application

▸ Integrated power supply (12VDC @ 6A)

▸ Altronix Trove steel lockable enclosure

Why This Works for You:

The Ultimate Hardware Protection

They say hindsight is 20/20 - but we're here to help prevent you from using that phrase. When using our robust rack mounting options for your controller boards, you're adding the necessary layer of protection your system deserves. The 16 gauge steel enclosure includes a tamper switch and a cam lock, helping protect the internal components against damage and unauthorized access.

Convenient Built-In Power Supply

A built-in power supply helps speed installation times, provides consistent power and reduces overall costs. The eFlow series is a high-quality power supply made by Altronix, a global leader in security power solutions. There is also a port for a customer-supplied battery backup.

De-Clutter Your Workspace

When your enclosure is mounted on the wall, it takes up valuable space and power connection and all wiring have to be routed directly to it, which can be unsightly and costly. When the enclosure is kept in a rack mount, all the cabling will be much more organized...not to mention out of your workspace.

Specifications

Controller Hardware	VAX-TROVE-2DR-RK	VAX-TROVE-4DR-RK	VAX-TROVE-6DR-RK	VAX-TROVE-8DR-RK
Hardware Components:	1X VAX-MDK Master; 1x VAX-EXP-2D; 1X Trove 1R enclosure; 1x eFlow6NB power supply	1X VAX-MDK Master; 2x VAX-EXP-2D; 1X Trove 1R enclosure; 1x eFlow6NB power supply	1X VAX-MDK Master; 3x VAX-EXP-2D; 1X Trove 1R enclosure; 1x eFlow6NB power supply	1X VAX-MDK Master; 4x VAX-EXP-2D; 1X Trove 1R enclosure; 1x eFlow6NB power supply
Processor:	32-bit microprocessor based			
Power:	Supply: eFlow6NB. Input: 120 VAC, 60 Hz, 3.5 A; Output: 12 VDC @ 6 A (72 W). Supervised fire alarm disconnect (NO/NC trigger), short circuit and overload protection and AC Fail supervision. Port for battery backup with built-in charging for standard 12 VDC 7 Ah dry cell battery (not included).			
Communication:	Between Master controller and VAX web server: 1x Ethernet 10/100 Mbps. Between Master controller and VAX-EXP-2D: RS-485 2-wire (daisy chain or star) Wire Spec: 2000 ft (600 m) max distance; 2 conductors, stranded 22 AWG, shielded			
Network:	Speed: 10/100 Mbps. Modes: Static or DHCP. MAC: Unique. Encryption (panel-server): 256 bit AES option. 1 NIC port Wire Spec: 328 ft (100 m) max distance, Cat5 or better			
I/O:	Inputs: 6X supervised or digital (door contact, exit button, external REX, etc). Outputs: 2X lock relays (12 VDC, 500 mA power per lock; 4X solid state relays (24 VDC, 1 A limit per relay). Wire Spec: 500 ft (152 m) max distance; 2 conductors, stranded 22 AWG, shielded.	Inputs: 12X supervised or digital (door contact, exit button, external REX, etc). Outputs: 4X lock relays (12 VDC, 500 mA power per lock; 8X solid state relays (24 VDC, 1 A limit per relay). Wire Spec: 500 ft (152 m) max distance; 2 conductors, stranded 22 AWG, shielded.	Inputs: 18X supervised or digital (door contact, exit button, external REX, etc). Outputs: 6X lock relays (12 VDC, 500 mA power per lock; 12X solid state relays (24 VDC, 1 A limit per relay). Wire Spec: 500 ft (152 m) max distance; 2 conductors, stranded 22 AWG, shielded.	Inputs: 24X supervised or digital (door contact, exit button, external REX, etc). Outputs: 8X lock relays (12 VDC, 500 mA power per lock); 16X solid state relays (24 VDC, 1 A limit per relay). Wire Spec: 500 ft (152 m) max distance; 2 conductors, stranded 22 AWG, shielded.
Readers:	Reader Port: 2X Wiegand	Reader Port: 4X Wiegand	Reader Port: 6X Wiegand	Reader Port: 8X Wiegand
User Interface:	LED indicators: 5x power; 2x reader; 1x network; 5X heartbeat; 6X relay output; 5x on/off line; 6X RS-485 status. LCD Display: 1X 16-channel; 2-line LCD with backlight. Push Buttons: 4 tactile switch. Sound: 1X 90 dB Piezo buzzer.	LED indicators: 7x power; 4x reader; 1X network; 5X heartbeat; 12X relay output; 5x on/off line; 8X RS-485 status. LCD Display: 1X 16-channel; 2-line LCD with backlight. Push Buttons: 4 tactile switch. Sound: 1X 90 dB Piezo buzzer.	LED indicators: 9X power; 6x reader; 1x network; 5X heartbeat; 18X relay output; 5x on/off line; 10X RS-485 status. LCD Display: 1X 16-channel; 2-line LCD with backlight. Push Buttons: 4 tactile switch. Sound: 1X 90 dB Piezo buzzer.	LED indicators: 11X power; 8x reader; 1x network; 5X heartbeat; 24X relay output; 5x on/off line; 12X RS-485 status. LCD Display: 1X 16-channel; 2-line LCD with backlight. Push Buttons: 4 tactile switch. Sound: 1X 90 dB Piezo buzzer.
Schedules:	Unlimited door time zones (20 zones per time zone); 256 user time zones; 32 one-time special event door time zones (single zone); 50 door/user holiday groups; supports input time zones; supports output time zones			
Protection:	Over-current			
Time Keeping:	Date/Time: 1x on-board real-time clock (no battery required, maintains up to 1 month); automatic DST switch			
Memory:	Flash Memory: 8.0 Mb			
Housing and Backplane:	Steel (16 AWG) powder-coated lockable enclosure; TM1R backplane includes standoffs for eFlow6NB power supply and MDK controllers. 9x/7x 1/2"-3/4" combination knockouts; 1x 1.5" knockout			
Options:	24 VDC Converter: converts 12 VDC to 24 VDC Dry Contact Converter: converts wet to dry contact Expansion Port: supports serial, extra memory, I/Os for future expansion			
Storage:	Stores up to 100,000 cardholders. Stores up to 50,000 events, first in first out queue.			

Specifications

Mechanical & Environmental	
Dimensions:	Rack-Mount: W: 19.0 in. (483 mm); H: 3.25 in. (82.6 mm); D: 26.5 in. (673.1 mm); 2U
Weight:	Rack-Mount: Approximately 18 lb (8.16 kg)
Operating Temperature:	32° - 120° F (0° - 49° C)
Operating Humidity:	10% to 85% relative humidity, non-condensing.
Approvals:	UL294; CE
Country of Origin:	Canada

Product Descriptions and Pricing

Model Number	Product Code	Description
VAX-TROVE-2DR-RK	10356-63	TWO DOOR CONTROLLER; includes 1 master controller board, 1 two-door board and a 12 VDC @6A power supply in an Altronix Trove1R rack enclosure
VAX-TROVE-4DR-RK	10356-62	FOUR DOOR CONTROLLER; includes 1 master controller board, 2 two-door boards and a 12 VDC @6A power supply in an Altronix Trove1R rack enclosure
VAX-TROVE-6DR-RK	10356-61	SIX DOOR CONTROLLER; includes 1 master controller board, 3 two-door boards and a 12 VDC @6A power supply in an Altronix Trove1R rack enclosure
VAX-TROVE-8DR-RK	10356-60	EIGHT DOOR CONTROLLER; includes 1 master controller board, 4 two-door boards and a 12 VDC @6A power supply in an Altronix Trove1R rack enclosure

Please contact your regional sales representative or visit <u>vicon-security.com</u> for more information.