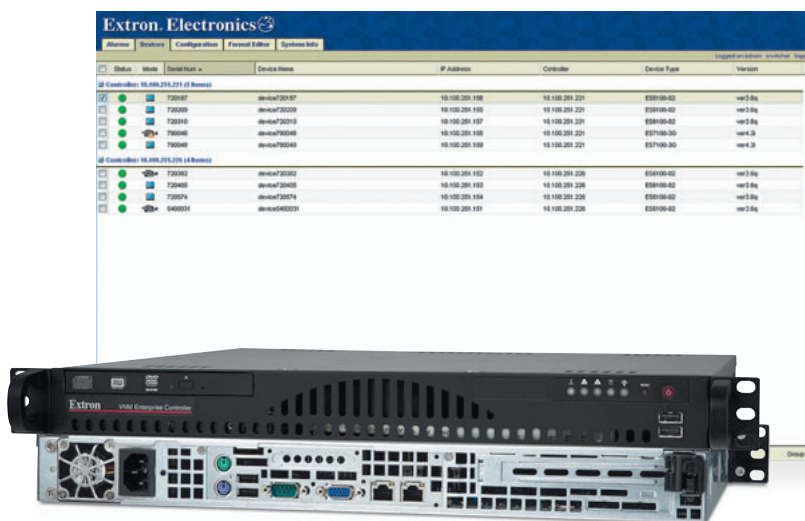


# VN-Matrix® Enterprise Controller

ENHANCED CONTROL FOR  
LARGE VN-MATRIX SYSTEMS

- ▶ Monitor, configure, and manage all VN-Matrix and VN-Matrix Recorder units as a system
- ▶ High level interface provides single point of control for external control systems
- ▶ Manage multiple VN-Matrix systems in combined or independent domains
- ▶ Provide redundant control for mission-critical applications



The VN-Matrix® Enterprise Controller is a dedicated control appliance for large VN-Matrix systems. A powerful browser-based graphical user interface allows a user to easily view, manage, and dynamically control multiple VN-Matrix systems and networked VN-Matrix domains. The VN-Matrix Enterprise Controller can be configured to operate with a secondary backup unit, providing redundant control for mission-critical applications.



**Extron® Electronics**  
INTERFACING, SWITCHING AND CONTROL

## DESCRIPTION

The **VN-Matrix® Enterprise Controller** is a dedicated controller for VN-Matrix systems. Enterprise Controllers simplify management of large VN-Matrix deployments, providing the ability to view, manage, and dynamically control multiple VN-Matrix systems and networked VN-Matrix domains from a single user interface.

Every VN-Matrix system includes a basic embedded Web browser interface for configuring the operational settings for encoders and decoders. This interface is useful when control is limited to a few units and the system is configured and left in a fixed operational state. Enterprise Controller provides greater processing capacity that is required to efficiently manage, configure, and dynamically control large VN-Matrix systems. The Enterprise Controller allows all devices in a system to be organized and sorted based on different properties such as: unit status or type, operating mode, source, controller, or firmware version. Units can be selected into groups allowing configuration properties or firmware to be uploaded in one action. Multiple Enterprise Controllers can be configured in a system to provide control over independent domains of VN-Matrix units or one large system.

Two VN-Matrix controllers can be configured together as a redundant system for mission-critical applications. One unit is configured as the primary unit and the other as a secondary unit. System data is synchronized between them. The secondary unit continually monitors the primary unit's system health and takes over control seamlessly when required. Control is returned to the primary unit in the same manner if the system health of the secondary unit requires it - maintaining transparent communications and control over the VN-Matrix system.

### The VN-Matrix Enterprise Controller is required if:

- More than 10 VN-Matrix units are configured into a system
- VN-Matrix Recorder is integrated into a system
- A system of VN-Matrix units are interfaced to an external control system requiring dynamic control of the units in a switching solution
- Preset configurations must be prepared and recalled
- Multiple domains of VN-Matrix units must be configurable into one large system or independent clusters

## FEATURES

- ▶ Monitor, configure, and manage all VN-Matrix and VN-Matrix Recorder units as a system
- ▶ High level interface provides single point of control for external control systems
- ▶ Manage multiple VN-Matrix systems in combined or independent domains
- ▶ Provide redundant control for mission-critical applications

## SPECIFICATIONS

HARDWARE		
Motherboard	1 Supermicro universal x8 PCI-E (1) 64 bit PCI-x (1) 32 bit PCI CPU	
Chipset	Intel® Core 2 Duo E8400, 3.0 GHz, 2 MB cache, 1333 MHz FSB, LGA775 socket support	
RAM	2 GB DDR2, 533 MHz, non-ECC, unregistered	
Hard drives	(1) 160 GB SATA	
SOFTWARE		
Operating system	Red Hat® Linux Enterprise v5.2, 1 year basic license	
Other software	Red Hat® Linux Media v5.2	
CONTROL/REMOTE		
Serial control port	RS-232, 1 female 9-pin D connector (fast UART 16550)	
USB control ports	4 female USB type A: 2 front panel, 2 rear panel	
Ethernet control ports	2 female RJ-45 connectors	
Ethernet data rate	10/100/1000Base-T, half/full duplex	
GENERAL		
Power	100 VAC to 240 VAC, 50-60 Hz, 200 watts, internal	
Temperature/humidity	Operating: +50 to +95 °F (10 to +35 °C) / 8% to 90%, noncondensing	
Enclosure dimensions	1.75" H x 17.0" W x 14.0" D (1U high, full rack wide) (4.4 cm H x 43.2 cm W x 35.6 cm D) (Depth excludes connectors. Width excludes rack ears.)	
Product weight	17.0 lbs (7.7 kg)	
Regulatory compliance		
Safety	CE, CSA, c-UL, EN, IEC, UL	
EMC/EMC	CE, CISPR 22 Class A, CISPR 24, EN 55024, EN 55022 Class A, EN 61000-3-2/-2-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, FCC Class A	
Warranty	3 years parts and labor	
<b>NOTE:</b> All nominal levels are at ±10%.		
Model	Version Description	Part number
VNM Enterprise Controller	VN-Matrix Enterprise Controller	60-1133-01

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.



The VN-Matrix Enterprise Controller Switcher utility connects encoder inputs to decoders.



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