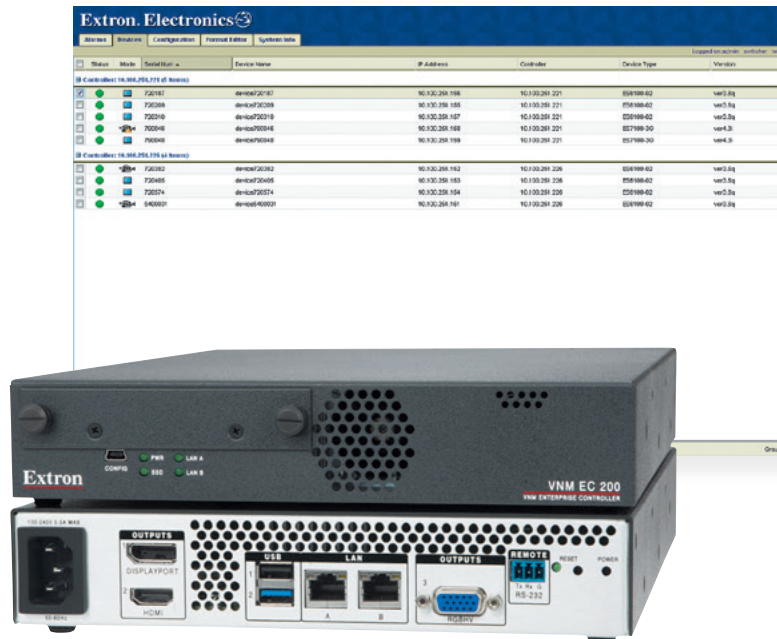


VNM EC 201

ENTERPRISE CONTROLLER FOR VN-MATRIX SYSTEMS



The VNM EC 201 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 VNM EC 201 can be configured to operate with a secondary backup unit, providing redundant control for mission-critical applications.

- ▶ Manage, configure, and control all VN-Matrix units as a system
- ▶ Create system presets for stream routing and recording configurations
- ▶ Control VNS 104 Multi-Stream Decoding Software display configurations and streaming connections
- ▶ High-level interface provides single point of control from external control systems

DESCRIPTION

The **VNM EC 201** is a compact, dedicated enterprise controller for VN-Matrix® systems. It simplifies management of large VN-Matrix deployments, efficiently configuring, managing, and dynamically controlling large VN-Matrix systems from a single user interface.

Every VN-Matrix system includes a basic embedded Web browser interface for the configuration of encoders and decoders. This embedded interface is useful in small systems limited to a few units or systems that will be left in a fixed operational state. The VNM EC 201 provides greater processing capacity for efficient management, configuration, and dynamic control over large VN-Matrix systems. Its embedded web interface quickly organizes and sorts all devices in a system based on properties such as: unit status or type, operating mode, source, controller, or firmware version. Multiple VNM EC 201 controllers can be deployed in VN-Matrix systems, providing control over the entire system or independent clusters of VN-Matrix devices.

The VNM EC 201 can also create streaming and recording system presets that can be recalled directly from an external control system. Each preset captures all device settings and defines specific streaming connection and recording actions. The ability to recall streaming and recording presets greatly simplifies management and control of VN-Matrix systems.

Two VNM EC 201 units can be configured to operate together as a redundant system for mission-critical applications, with one configured as a primary unit, and the other as a secondary unit. System data is continuously synchronized between the redundant pair. The secondary unit continually monitors the primary unit's system health and seamlessly takes control in the event of a failure. Control is automatically returned to the primary unit if required, maintaining transparent system communications and control.

The VNM EC 201 is required when:

- More than 10 VN-Matrix units are configured into a system
- VNR 100 or VN-Matrix Recorder is integrated into a system
- A system of VN-Matrix units is interfaced to an external control system requiring dynamic control of units in a switching solution
- Preset streaming and recording configurations must be prepared and recalled
- Multiple domains of VN-Matrix units must be operated as one large system or independent clusters

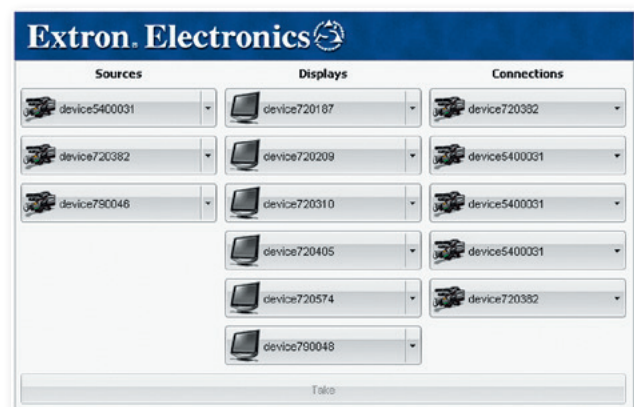
FEATURES

- ▶ **Manage multiple VN-Matrix systems in combined or independent domains**
- ▶ **Provide redundant control for mission-critical applications**
- ▶ **Removable Solid State Drive for reliability or temporary removal of sensitive system data**

SPECIFICATIONS

HARDWARE		
Motherboard	1 Supermicro Mini-ITx 1xPCI-E x2	
Chipset	Socket FCBGA1170, Intel® Celeron Processor J1900, 2M Cache, up to 2.42 GHz, 8W	
RAM	(2) 2 GB non-ECC DDR3	
Storage	(1) 80 GB SATA (removable)	
SOFTWARE		
Operating system	Red Hat® Linux Enterprise 7.4	
COMMUNICATIONS		
Serial control		
Serial control port	1 bidirectional RS-232, 3.5 mm captive screw connector, 3-pole	
Host control	Dual mode - host control (Extron SIS) or IP to serial pass-through (for display control). Both bidirectional.	
USB		
USB standards	USB 2.0, USB 3.0	
Ethernet		
Ethernet control ports	2 RJ-45 female connectors	
Ethernet data rate	10/100/1000Base-T, half/full duplex	
GENERAL		
Power supply	Internal Input: 100-240 VAC, 50-60 Hz	
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing	
Enclosure dimensions	1.66" H x 8.7" W x 11.97" D (1U high, half rack wide) (4.2 cm H x 22.1 cm W x 30.5 cm D) (Depth excludes connectors. Width excludes rack ears.)	
Product weight	3.4 lbs (1.5 kg)	
Shipping weight	4.0 lbs (1.8 kg)	
Regulatory compliance		
Safety	CE, CSA, c-UL, EN, IEC, UL	
EM/EMC	CE, FCC Class A	
Warranty	3 years parts and labor	
NOTE: All nominal levels are at ±10%.		
Model	Version Description	Part number
VNM EC 201	Enterprise Controller for VN-Matrix Systems	60-1864-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.



The VNM EC 201 switcher utility connects encoder streams to decoders.

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