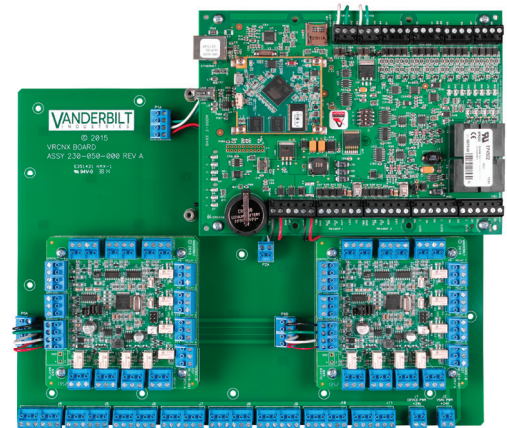


## VRCNX-M Reader Controller

### OVERVIEW

The Reader Controller Board (VRCNX-M) is a newly designed controller with updated technology that incorporates additional memory and input/output capabilities onto a single back board for easy installation. The back board includes a VSRC-M Smart Reader Controller and connections for a VI-16IN Input and VI-16O Output Module. Compatible with the Vanderbilt Industries Security Management System software, the VRCNX-M supports up to (16) devices.



*Photo shown with all options*

### FEATURES AND BENEFITS

- On board 10/100 Base-T Ethernet connection
- Two RS485 channels of 8 multi-dropped terminal strips
- On board tamper switch connector
- Linux operating system
- 256 MByte of NAND Flash and 128 MByte of DDR2 SDRAM Memory
- Supports proximity, smart card, magnetic stripe, biometrics, barcode and Wiegand technologies
- Configuration options allow support for up to (16) devices\* and connections for an additional VI-16IN 16 Input Monitor Module and VI-16O 16 Relay Output Module.
- Enhanced Offline Mode
- Supports most card readers (wiegand devices)
- Supports Schlage AD/CO Series Networked and Wireless Locks
- Supports Schlage NDE Series Wireless Locks
- Supports ASSA ABLOY Aperio Wireless Locks

*\* on-board reader interfaces disabled on VRCNX-M Controller*

## SPECIFICATIONS

<b>Dimensions:</b>	11 ¾" H x 13" W x 2 ¼"D
<b>Enclosure:</b>	17" H x 17" W x 2-3/4" D
<b>Power Requirements:</b>	12-24 VDC
<b>Power Consumption:</b>	360mA MAX (w/2 VIONX-8 mounted)
<b>Ambient temperature:</b>	-55°C to +85°C or -67°F to 185°F
<b>Humidity:</b>	10% to 95% RHNC
<b>Recommended data cable:</b>	18 AWG/2 COND, stranded, shielded, twisted (up to 4000') to RS-485 channel devices
<b>Recommended power cable:</b>	18 AWG/2 COND, stranded, shielded, twisted (up to 500'); devices beyond 500' should be powered locally

**Compatible with SMS software version 5.3.1 and higher.  
Programming templates available in v5.3.5 and higher.**

## ORDERING INFORMATION

### **VRCNX-M** - Reader Controller Board

Includes one VSRC-M Reader Controller mounted on a back board. Includes enclosure.

Note: VRCNX-M can be ordered without enclosure.  
Use (NB) to specify no box.

## OPTIONS

### **VI-16IN** - 16 Input Monitor Module

### **VI-16O** - 16 Relay Output Module

Note: Use (NB) to specify no box

### **VRI-1** - Single Reader Interface

### **VRI-2** - Dual Reader Interface

Note: Use (NB) to specify no box

**VANDERBILT**