VSRC-M
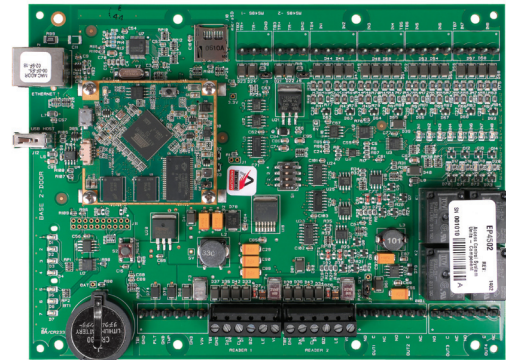## Dual Reader Controller

OVERVIEW

The Vanderbilt Industries Dual Reader Controller (VSRC-M) is an intelligent device with a modular approach. The VSRC-M is an independently programmable device that effectively combines the capabilities of a controller and two (2) reader interfaces into a single board. It communicates with the Security Management System software via TCP/IP protocol and can be connected to a variety of different read head technologies and electronic locking devices. The communication architecture is capable of being fully networked thereby saving the customer wiring and expensive installation labor costs.

The VSRC-M supports Enhanced Offline Mode - in the event of network connectivity loss, the system will utilize a local copy of the latest database and will cache transactions for upload once the network connection is restored. Visual on-board status indicators make for easy identification of processes during installation and service, including CIM communication, relay status, board type and more. Convenient on-board reset button allows for graceful shutdown of controller. Includes enclosure with a tamper switch, lock and key.

FEATURES AND BENEFITS

- On-board reader interface support for two (2) doors
- Includes (8) supervised contact inputs and (4) Form-C relay outputs
- Configurable for support of up to 16 devices total*, including:
  - Standard Wiegand device support using VRINX Reader Interfaces
  - VIONX-8 Input/Output Boards
  - PIM400-485-SMS for support of Schlage AD-400 Wireless Locks
  - Direct RS-485 for support of Schlage AD-300 Hardwired Locks
  - ASSA ABLOY Hub for support of Aperio Wireless Devices
  - *or use VRCNX-M which includes backplate for easy installation
- On board 10/100 Base-T Ethernet connection
- Two RS-485 channels of 8 multi-dropped terminal strips
- On board tamper switch connector
- Linux operating system
- 256 MByte of NAND Flash and 128 MByte DDR2 SDRAM Memory
- Supports proximity, smart card, magnetic stripe, biometrics, barcode and Wiegand technologies
- Enhanced Offline Mode
- BAA compliant
- UL294 Listed

SPECIFICATIONS

Dimensions:	8"H x 6" W
Enclosure:	12 1/4" H x 10 1/4" W x 2 3/4" D
Power requirements:	24 VDC
Power consumption:	500mA (excluding peripheral devices)
Ambient temperature:	-55°C to +85°C or -67°F to 185°F
Humidity:	10% to 95% RHNC
Recommended data cable:	18 AWG/2 COND, stranded, shielded, twisted (up to 4000') to RS-485 channel devices
Recommended power cable:	18 AWG/2 COND, stranded, shielded, twisted (up to 500'); devices beyond 500' should be powered locally

Compatible with SMS software v5.3.5 SP2 and higher as noted below:
- v5.3.5 SP2 to v6.1.1 supports one (1) on-board Reader Interface
- v6.2.0 and higher includes programming templates for support of (2) on-board Reader Interfaces

Requires a UL 294 power limited power supply capable of 4 hours standby power

ORDERING INFORMATION

VSRC-M - Dual Reader Controller
Note: VSRC-M can be ordered without enclosure.
Use (NB) to specify no box.

OPTIONS

VRINX - Single Reader Interface
Note: Use (NB) to specify no box

VIONX-8 - Input/Output Expansion Board
Note: Use (NB) to specify no box

VRCNX-M - Reader Controller Board on Backplate
Includes one VSRC-M Reader Controller mounted on a backplate for ease of installation. Supports up to (16) devices. Includes enclosure.
Note: VRCNX-M can be ordered without enclosure. Use (NB) to specify no box.

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