

● CVR-110: RS485 to RS485/RS422 Repeater



Order Information:

Model No.: CVR-110

● FEATURES

➤ Support Interface

RS-485 x 1, up to 115.2Kbps.
RS485/RS422 x 1, up to 115.2Kbps.

➤ RS485 Interface

RS485 transmission capacity, typically the distance is 4,000 feet, around 1.2 kilometers
The number of RS485 connected devices should not exceed 32 typically, but if the transmission conditions are good, it can exceed 32 devices.

➤ Terminator

DIP Switch selectable 120ohm terminator.

➤ Security

Setup Login in Password Protect
Access Password Protect
Firmware Upgradeable
Support New Version Firmware Upgradeable

➤ Low Power Consumption

Less than 2W Power Consumption

➤ High Reliability

RTOS inside, Build in Watchdog, Power Good, Software Watchdog
Working 24Hours per day

➤ Low Cost

● GENERAL DESCRIPTIONS

CVR series, including CVR-100, CVR-100I, CVR-110, CVR-200, CVR-200I, CVR-150 and other products are signal converters between RS232, RS422, RS485 physical signals, of which CVR-100 is non- Isolated RS232 to RS485/RS422 signal converter, CVR-100I is isolated RS232 to RS485/RS422 signal converter, CVR-110 is RS485/RS422 signal repeater, CVR-200 is non-isolated USB to RS232 /RS485/RS422 signal converter, CVR-200I is isolated USB to RS232/RS485/RS422 signal converter, CVR-150 is isolated 5Port RS485 repeater, CVR series is suitable for all industrial control, data collection , card readers and other applications.

● APPLICATIONS

RS485 Repeater or Hub
Data collection & security terminals:
Access Control Terminals
Security Devices
Time Recorders
Warehouse Terminals
Shop floor automation Terminals
Remote Sensors & Meters:
Power monitors
Power meters
Environmental monitors
Temperature monitors
Data loggers
Auto-ID Scanners:
Barcode Scanners
Magnetic Card Readers

The CVR-150 has a built-in CortexM3 processor. The RS485 trunk mode is Store and Forward mode, and the signal is not distorted. This is a feature of the CVR-150.

● **SPECIFICATION**

• **Serial Interface**

Number of Ports	2
Serial Standards	RS485, RS485/RS422
Connectors	Terminal Block
ESD Protection	15 kV for all signals
RS-485 Data Direction Control	automatic data direction control

• **Serial Communication Parameters**

Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	-
Baud rate	Auto Baudrate

• **Serial Signals**

RS-232	-
RS-422	RX+, RX-, TX+, TX-
RS-485-2w	Data+, Data-

• **Software**

Configuration Options	-
Utilities	-

• **Physical Characteristics**

Housing	PC ,
Weight	300 g
Dimensions	Without ears: 33 x 80 x 102 mm With ears: 33 x 94 x 102 mm

• Environmental Limits

Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85 °C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	Up to 2000 m (795 hPa), higher altitudes on demand
Note	

• Power Requirements

Input Voltage	12 to 30 VDC, No Polarity
Power Connector	Terminal block
Power Consumption	110 mA @ DC24V
Isolation	2KV

• Standards and Certifications

EMC	CE
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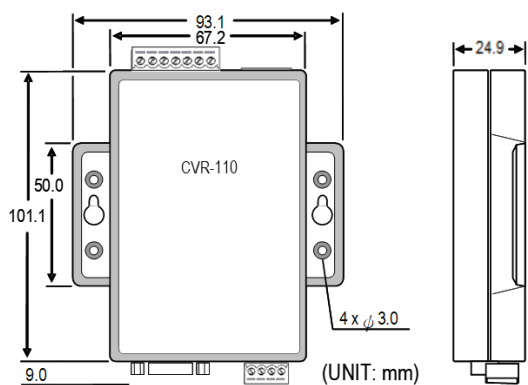
• Reliability

MTBF (mean time between failures)	
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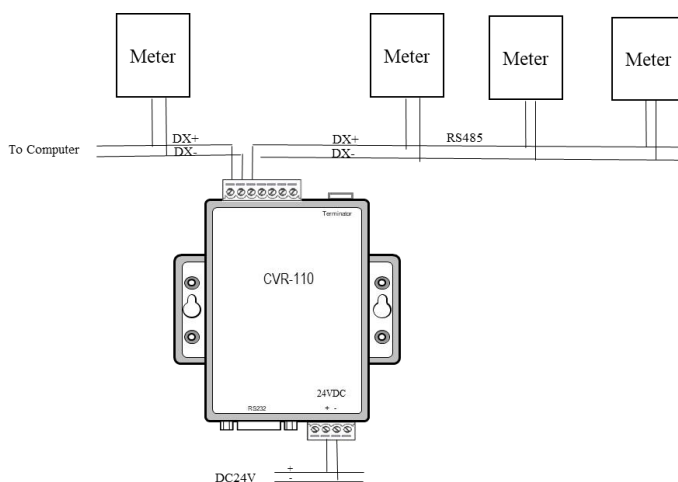
• Warranty

Warranty Period	1 year
Details	See http://www.infosystem.com.tw

● Dimension



● Connection



● Configuration

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● Installation

Wall Mount

Din Rail (Optional Din Rail Kit)