RS-485 to RS-485/RS-422 ISOLATED CONVERTER | DCRR-0110

■ APPLICATIONS

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

■ 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

■ 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-

● Physical Characteristics

Housing	PC

Weight	300 g
Dimensions Without ears:	33 x 80 x 102 (L x W x H) mm
With ears:	33 x 94 x 102 (L x W x H) mm

● Environmental Limits

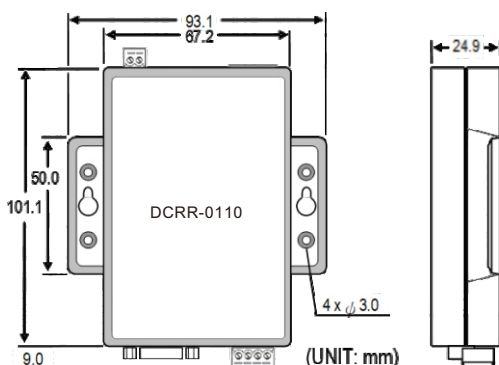|	
Operating Temperature	00 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85 °C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	Up to 2000 m (795 hPa), higher altitudes on demand

● 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

■ DIMENSIO

93.1
67.2
24.9
50.0
101.1
DCRR-0110
4 x φ 3.0
9.0
(UNIT: mm)

■ Connection

Meter   Meter   Meter   Meter
To computer
DX+   DX+   RS485
DX-   DX-
Terminator
DCRR-0110
RS232   24VDC
DC24V

CHUNDE