

● **RS485-MUX4: Full Isolated 1 RS485 Slave to 3 RS485 Master Multiplexer**



Order Information:

Model No.: RS485-MUX4

● **FEATURES**

- 1 RS485 slave to 3 RS485 Master Multiplexer
- The baud rate can be as high as 921.6Kbps.
- Half-duplex communication mode
- Power isolation and RS485 isolation
- Baud rate setting using Browser or setting tool, each RS485 can use different baud rate
- The power supply is DC24V, and the average power consumption is about 1W.
- Data transfer using store and forward
- Setup Login in Password Protect
- Access Password Protect
- Firmware Upgradeable
- Support New Version Firmware Upgradeable
- Low Power Consumption
- High Reliability
- RTOS inside, Build in Watchdog, Power Good, Software Watchdog Working 24Hours per day
- Low Cost

● **APPLICATIONS**

- RS485 Multiplexer
- 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

● **GENERAL DESCRIPTIONS**

RS485-MUX4 provides RS485 multiplexer from 1 slave station to 3 master stations, providing sharing of slave data. In many applications, some devices only have one RS485 communication port. If there are multiple master stations, it must pass RS485 at the same time and the interface will conflict when reading this device data. RS485-MUX4 helps solve the problem of multiple master stations simultaneously reading data conflicts through RS485. RS485-MUX4 provides power isolation and signal isolation to provide stable and reliable operation..

● **SPECIFICATION**

• **Serial Interface**

Number of Ports	4
Serial Standards	RS485
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	300 bps to 921.6 kbps, option to 50 bps ~ 921.6 kbps

• **Serial Signals**

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

• **Software**

Configuration Options	HTTP Web Console, Windows Setup Utility
Utilities	Setup Utility for Windows

• **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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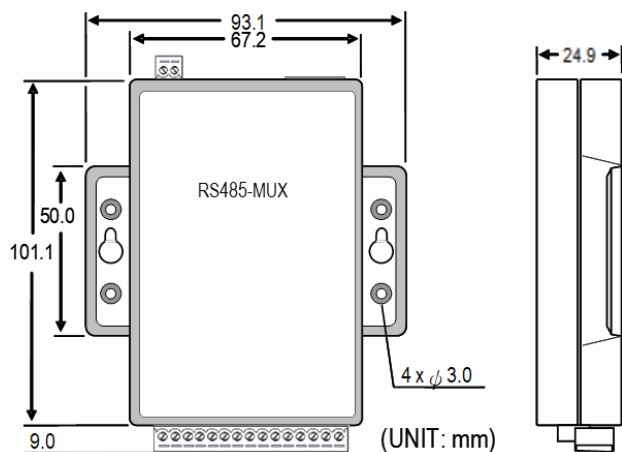
• Reliability

MTBF (mean time between failures)	
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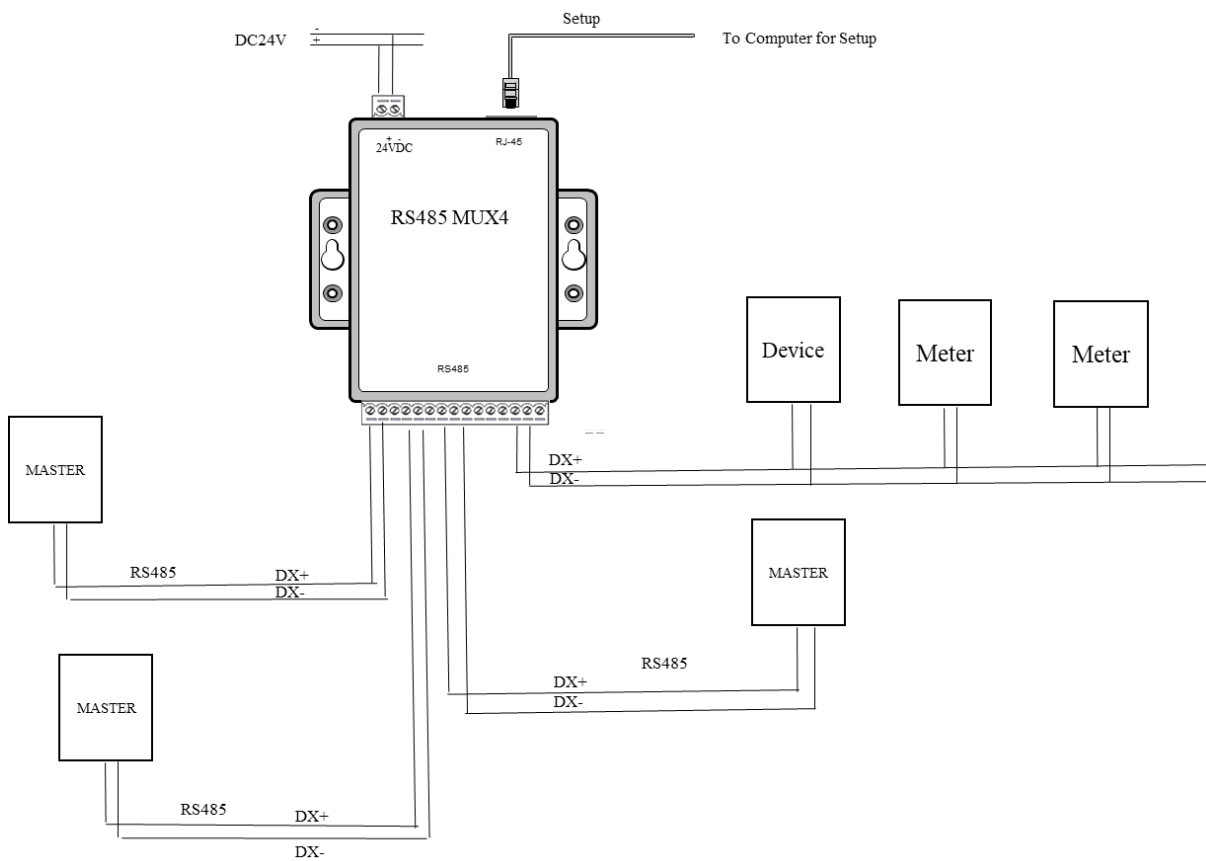
• Warranty

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

● **Dimension**



● **Connection**



● **Configuration**

Web Browser or Setup tool

● **Installation**

Wall Mount

Din Rail (Optional Din Rail Kit)