



## 4-port RS485 + 4-port 10/100Base-T(X) + 2-port 100M FX

### ➤ Features

- Support 4-port RS485 + 4-port 10/100Base-T(X) + 2-port 100M FX;
- Support 4-port serial isolation function, isolated voltage 500V AC;
- Support IEEE802.3/802.3u standard, store and forward Exchange Mode;
- Support TCP server, TCP client, UDP three serial transmission mode, 110~115200bps line speed non-blocking communication;
- Comply with TCP, IP, UDP, ARP, ICMP, HTTP, and TFTP client protocols;
- Support Web management;
- Support serial port settings, can connect two serial devices via Ethernet;
- Supports gateway, cross-routing communication;
- Low-power consumption design;
- Metal housing with IP40 and high level EMC protection;
- Support wide voltage 12-48V DC power input;
- Support DIN-Rail Mounting or Wall Mounting installation;
- Working temperature range:-40~85°C;
- Warranty:5years



### ➤ Introduction

MW2244 Din-Rail industrial serial server support 4-port RS485 + 4-port 10/100Base-T(X) + 2-port 100M FX, adopts high-strength IP40 protective shell, industrial-grade EMC design, supports Auto-Negotiation adaptive technology, provides LED status indication, and supports voltage 12~48V DC power input to increase the reliability of the communication network.

MW2244 can easily and conveniently centralize the management of scattered serial devices and hosts through the network. The communication rate supports 110~115200bps optional. Based on industrial installation requirements, 35mm rail installation mode is provided. This product adopts the industry's excellent network solution, and the operating temperature range is -40~85 °C , which can meet the requirements of various industrial scenes and provide convenient serial communication solutions.

### ➤ Application Industries

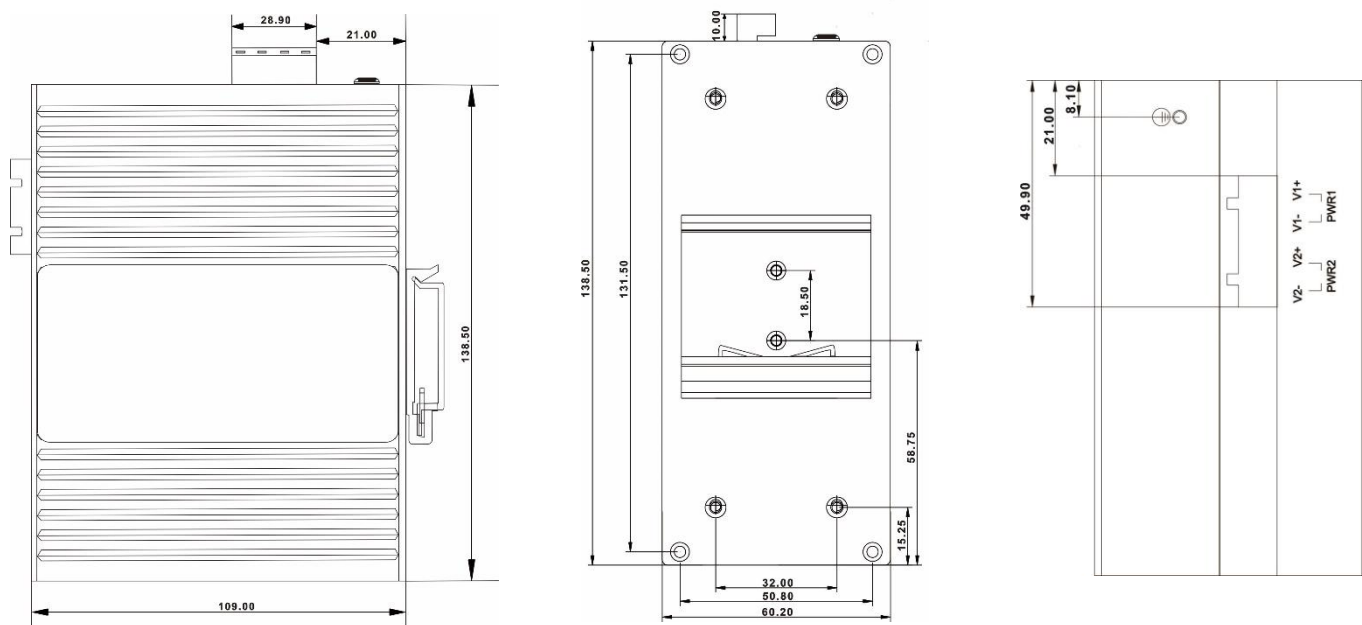
- Industrial Automation
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security Surveillance
- New Energy and Utilities
- Rail transportation industry

## ➤ Specification

<b>Interface</b>	
RJ45 port	10/100BASE-T(X) auto-Negotiation speed, auto duplex mode and MDI/MDI-X connection
Optical port	100Base-FX full duplex, SC,FC, ST connector optional,20km, single fiber, single mode, 1310nm/1550nm
Serial port	RS-485 supports A and B half-duplex working mode
	Baud rate support 110~115200bps optional, isolated voltage 500V AC
<b>Exchange Property</b>	
10M forwarding speed	14881pps
100M forwarding speed	148810pps
Transmission Mode	store-and-forward
Switching bandwidth	1.2Gbps
Buffer memory size	1Mbits
MAC address table	1K
<b>Serial Port Attribute</b>	
Standard	RS-485
RS-485 signal	D+, D-, GND
Check digit	None, Even, ODD
Data bits	5bit, 6bit, 7bit, 8bit
Stop bit	1bit, 2bit
Baud rate	110~115200bps
Directional control	RS-485 adopts data flow control technology
Load capacity	RS-485 side supports 32 point polling environment, can up to 128
Interface connector	RS-485 adopts 5-bit 5.08mm spacing terminal
Interface protection	4000V surge protection
<b>LED Indicator</b>	
Power indicator	PWR
System running indicator	SYS
Fiber indicator	FX
Serial port data indicator	COM
<b>Power Supply</b>	
Input	Wide DC power input 12~48VDC (12V/24V/48V)
No-load Consumption	3.12W (@24VDC)
Full-load Consumption	3.84W (@24VDC)
<b>Physical Characteristics</b>	

Shell	Metal, IP40 protection
Installation	Wall mounting or DIN rail mounting
Dimension	60.2mm×138.5mm×109mm (W*H*D)
Net weight	600g
<b>Environment Limits</b>	
Working Temp	-40~85°C
Storage Temp	-40~85°C
Relative Humidity	5%~95% (no-condensation)
<b>Industry standard</b>	
IEC61000-4-2	ESD: ±8KV Contact Discharge, ±15KV Air Discharge
IEC61000-4-3	RS: 10V/m (80-1000MHZ)
IEC61000-4-4	EFT: Power ±4KV, Ethernet & Serial Data Cable ±2KV
IEC61000-4-5	Power ±4KV CM/ ±1KV DM, Ethernet Data Cable±4KV CM, Serial Data Cable±1KV CM
IEC61000-4-6	Radio Frequency Conduction: 3V(10KHZ-150KHZ),10V(150KHZ-80MHZ)
IEC61000-4-16	Common Mode Conduction: 30V COUNT 300V, 1S
IEC60068-2-6	Vibration
IEC60068-2-27	Shock
IEC60068-2-32	Free Fall
IEC61000-6-2	General Industrial Standard
<b>Warranty</b>	
Warranty	5 Years
Certification	CE, FCC, RoHS

## ➤ Dimension



## ➤ Ordering Information

Model NO.	Description
MW1011	1-channel RS232/RS-485/422 + 1-port 10/100Base-T(X) RJ45, DC12-48V
MW2041	1-channel RS-485/422 + 4-port 10/100Base-T(X) RJ45, DC12-48V
MW2044	4-channel RS-485 + 4-port 10/100Base-T(X) RJ45, DC12-48V, 500V Isolation
MW2144	4-channel RS-485+ 4-port 10/100Base-T(X) RJ45+1-port 100M fiber, DC12-48V, 500V Isolation
MW2244	4-channel RS-485 + 4-port 10/100Base-T(X) RJ45+2-port 100M fiber, DC12-48V, 500V Isolation

## ➤ Packing List

- Industrial Serial Device Server \*1
- User manual \* 1
- Certificate of quality \* 1
- Warranty card \* 1