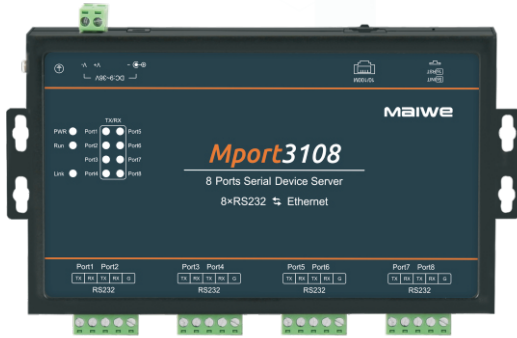


Mport3108

8*RS232 or RS485 to Ethernet Wall-mounted Serial Server



- ◆ 1 Fast Ethernet port, 8 RS232 or RS485 serial ports for networking;
- ◆ Using 32-bit Arm Cortex-M7 core CPU, up to nearly 500MHz frequency;
- ◆ External independent hardware watchdog design to prevent crashes;
- ◆ Ethernet interface up to 6KV lightning protection; serial interface up to 4KV surge protection;
- ◆ Provide industrial-grade DC power DC9~36V input, with anti-reverse connection protection;
- ◆ Meet the industrial temperature range of -40℃ ~+85℃;



RoHS



IP40

Product Introduction

Mport3108 series industrial-grade Ethernet serial server adopts a 32-bit Arm Cortex-M7 core CPU with a main frequency of nearly 400MHz and a built-in hardware watchdog design. The power supply, network port, and serial port all have high-level ESD, Surge, and EFT protection, and have strong anti-interference ability. It is specially designed for industrial users to realize data transmission between multiple serial ports RS485/232 and Ethernet. This product supports the configuration of 8 RS485/232 serial ports + 1 10/100M Ethernet electrical interface. It integrates the TCP/IP protocol stack, so that the RS485/232 devices that could not access the Internet can also be conveniently, flexibly and quickly connected to the Ethernet makes industrial communication smoother, more reliable, and faster, and meets the needs of customers for continuous innovation to increase value-added applications.

Product Features

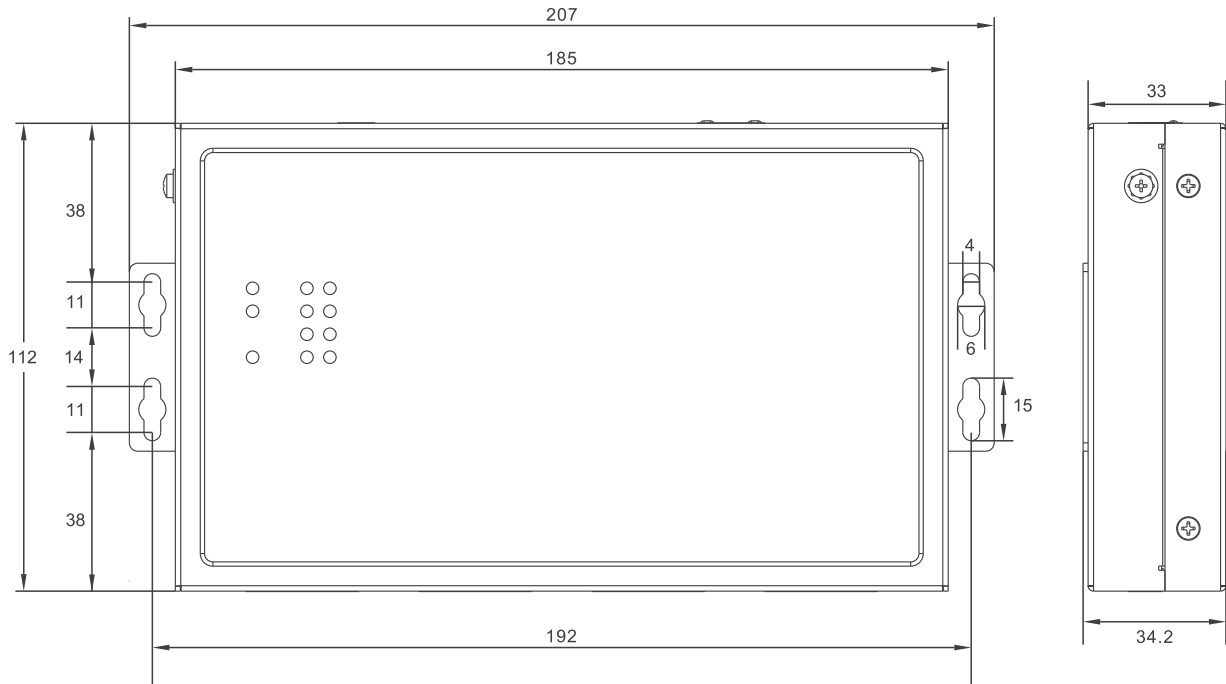
- ◆ Using 32-bit Arm Cortex-M7 core CPU, up to nearly 400MHz frequency;
- ◆ External independent hardware watchdog design to prevent crashes;
- ◆ Industrial-grade anti-jamming protection;
- ◆ Contact discharge $\pm 8\text{KV}$, air power generation $\pm 15\text{KV}$;
- ◆ Ethernet interface up to 6KV lightning protection;
- ◆ RS-232/RS-485 interface up to $\pm 2\text{KV}$ surge protection;
- ◆ Provide industrial-grade DC power DC9~36V input;
- ◆ With anti-reverse connection protection, 2KV surge protection;
- ◆ Meet the industrial temperature range of $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

Product Specifications

Network	
Network	10/100Mbps, RJ45 interface, adaptive MDI/MDIX
Isolation	1.5KV isolation protection
Serial port	
Serial port	8 RS232 (Mport3108-232) or 8 RS485 (Mport3108-485)
Baud rate	600~460800 (bps)
Parameter	Data bits: 7, 8; Stop bits: 1, 2; Parity bits: none\odd parity\even parity
Power	
Input voltage	9~36V
Consumption	91mA@12V
Reliability	
ESD	$\pm 8\text{kV}$ (contact discharge); $\pm 15\text{kV}$ (air discharge)
Surge	Power supply: $\pm 2\text{kV}$ /common mode $\pm 2\text{kV}$ /differential mode; RS232/485: $\pm 2\text{kV}$ /common mode $\pm 2\text{kV}$ /differential mode; Network port: $\pm 6\text{kV}$ /common mode $\pm 2\text{kV}$ /differential mode
EFT	Power supply: $\pm 2\text{kV}$ Communication port: $\pm 2\text{kV}$
Others	
Size	207mm×112mm×34.2mm
Working environment	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ 5%~95% RH (non-condensing)
Storage temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ 5%~95% RH (non-condensing)

Software	
Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217
IP acquisition method	Static IP/DHCP
Domain name resolution	Support
User configuration	Web configuration
Simple transparent transmission	TCP Server, TCP Client UDP Client UDP Multicast RealCOM Pair Connection
Modbus	Modbus RTU/ASCII to Modbus TCP
Serial port packaging mechanism	The time and length can be set; the default value varies according to the bit rate; the maximum package length is 1460bytes
TCP Server connection	Supports up to 8 TCP connections
Serial port cache	Send: 1.5Kbyte; Receive: 1.5Kbyte
Network cache	Send: 16Kbyte; Receive: 16Kbyte
Heartbeat packet	Support TCP Keepalive mechanism, customize heartbeat packet content
Registration package	Customize the content of the registration package
RFC2217	Support
Average transmission delay	<10ms
Supporting software	Virtual serial port software

Installation Size



Ordering Information

Product model	Description
Mport3108-232	8*RS232 Ethernet desktop serial server (DC9~36V)
Mport3108-485	8*RS485 Ethernet desktop serial server (DC9~36V)