

Mport3104

4-port RS485/232 Serial to Ethernet Server

Product description

Maiwe industrial serial server Mport3104 adopts 32-bit Arm Cortex-M7 core CPU with a high main frequency and can up to nearly 400MHz, built-in hardware watchdog design. The power supply, network port, and serial port all have high-level ESD, Surge, and EFT protection. Mport3104 supports 4-way RS232/485 serial port + 1x10/100M Ethernet copper port. It integrates the TCP/IP protocol stack internally, and the device serial port can be flexibly configured into RS232/485 mode through the WEB page, Which RS232/485 devices that are originally unable to access the Internet can connect to the Ethernet conveniently, flexibly and quickly.



Features:

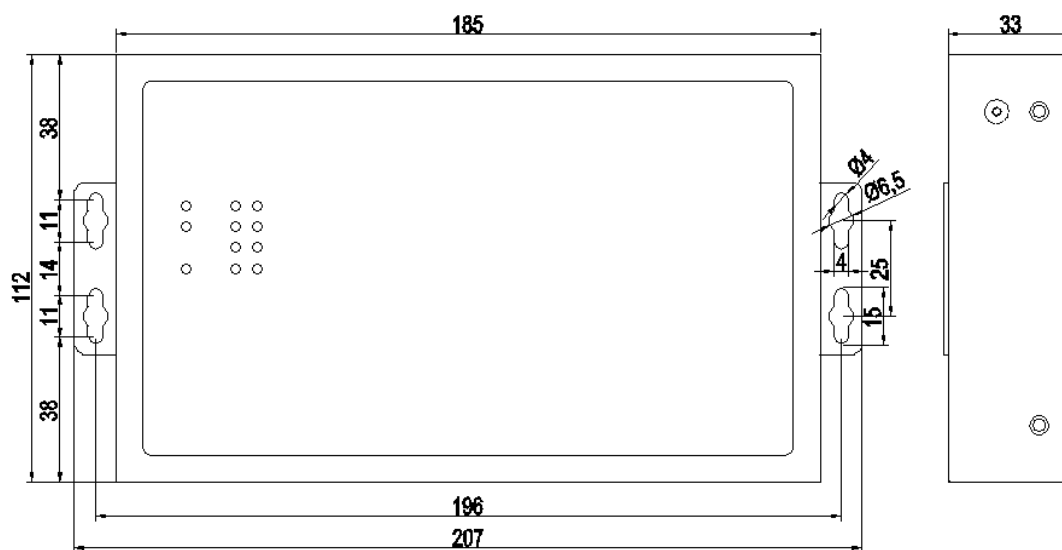
- One 100M Ethernet RJ45 port and 4 RS232/RS485 serial port
- Using 32-bit Arm Cortex-M7 core CPU, up to nearly 400MHz frequency
- External independent hardware watchdog design to prevent crashes
- Lightning protection of Ethernet interface up to 6KV
- RS-485/RS-232 interface up to 2KV surge protection
- Provide industrial grade DC power supply DC9 ~ 36V input
- Support Modbus RTU/ASCII to Modbus TCP conversion
- Support Virtualcom software management

Product specifications

Technical parameters	
Operating power	9-36V
Operating current	66mA@12V
Network port	
Network Port	10/100Mbps, RJ45 interface; adaptive MDI/MDIX cross-connect and auto-flip
Interface quantity:	1
Isolation protection	1.5KV isolation protection
Serial port	
Serial port number	4*RS485/232 work mode are available
Interface form	RS-485/232: adopt 5 pins 5.08mm pitch terminal blocks
Parameter	600~460800 (bps); 7/8 data bits; 1/2 stop bits; three validation modes: none, odd parity, and even parity;
Reliability	
Network type	10/100Mbps, RJ45 interface; adaptive MDI/MDIX cross-connect and auto-flip
Isolation protection	1.5KV isolation protection
ESD	±8kV(contact), ±15kV(air)
EFT	Power: ±2kV, Communication port: ±2kV
Surge	Power supply: ±2kV/common mode, ±2kV/differential mode
	RS485/232: ±2kV/common mode, ±2kV/differential mode
	Network port: ±6kV/common mode, ±2kV/differential mode
Interface form	100M TX port: 10/100Base-TX self-adaptive RJ45 port
	Serial port: RS-232/RS-485, Industrial Terminals
Mechanical structure	
Dimension	207mm×112mm×34.2mm
Housing	IP40, Metal case
Working Environment	
Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%

Software parameters	
Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217
IP obtaining method	Static IP/DHCP
DNS	Support
User configuration	Web configuration
Simple transparent transmission method	TCP Server/TCP Client/UDP Client
Modbus function	Support Modbus RTU/ASCII to Modbus TCP (Master&Slave Mode) Support Modbus Over TCP Support Modbus TCP to Modbus RTU
Serial port packaging mechanism	Time and length can be set; The default value changes according to the bit rate; The maximum packing length is 1460 bytes.
TCP Server connection	Support up to 8 TCP connections
Network cache	Send: 16Kbyte; Receive: 16Kbyte;
Serial Buffer	Send: 1.5Kbyte; Receive: 1.5Kbyte;
Flow control	Auto Flow Control
Average transmission delay	<10ms
Industry Standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty	5 Year
Certification	
Certification	CE, FCC

Dimensional drawing



Ordering information

Mport3104	4-way RS485/232 terminal blocks to 1x10/100M RJ45 Ethernet, desktop serial to Ethernet server, DC9V~36V power supply
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