

Mport3208-AD220

8-port RS232/RS485 Serial to Ethernet Server

Product Description

Mport3208 industrial serial server have the characteristics of anti-lightning, anti-electromagnetic interference, high reliability and high performance, and are suitable for use in harsh environments. It mainly realizes data transmission between multiple serial ports RS232/485 and Ethernet. It integrates TCP/IP protocol stack, and the device serial port can be flexibly configured into RS232/485 mode through WEB webpage, making it impossible to access the Internet. The RS232/485 device can also be easily, flexibly and quickly connected to the Ethernet.



Features:

- Adopt 32-bit Arm Cortex-M7 core CPU
- Up to nearly 528MHz frequency
- External independent hardware watchdog design to prevent crashes
- Ethernet port: common mode $\pm 6\text{KV}$, differential mode $\pm 2\text{KV}$ (10/700us) lightning protection,
- RS232/RS485 interface: up to $\pm 4\text{KV}$ (1.2/50us) surge protection
- Power supply: $\pm 4\text{KV}$ common mode, $\pm 2\text{KV}$ differential mode surge protection
- 85 to 264VAC or 120 to 370VDC power input
- With anti-reverse protection
- Meet the industrial temperature range of $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$



Product Specifications

Power Supply

Operating Voltage	85~264VAC or 110~370VDC
Power consumption	2.5W@ AC220V

Network Port

Type of Network port	10/100Mbps, RJ45 interface, adaptive MDI/MDIX
Isolation Protection	1.5KV isolation protection

Serial Port

Number of serial ports	8*RS232/485
Parameter	600~460800(bps); 1/2 stop bit; 7/8 data bit; Three validation methods: None/Odd/Even

Reliability

ESD	±8kV(contact) ±15kV(air)
Surge	Power supply: ±4kV/common mode ±2kV/differential mode;
	RS232/485: ±4kV/common mode ±4kV/differential mode;
	Network port: ±6kV/common mode ±2kV/differential mode
EFT	Power supply: ±4kV, Communication port: ±4kV

Working Environment

Working Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
Ambient Humidity	5%~95% RH (no condensation)

Physical Characteristics

Shell	metal shell
Installation	rack mount installation
Dimension	440×210×44 (mm)

Software Parameters

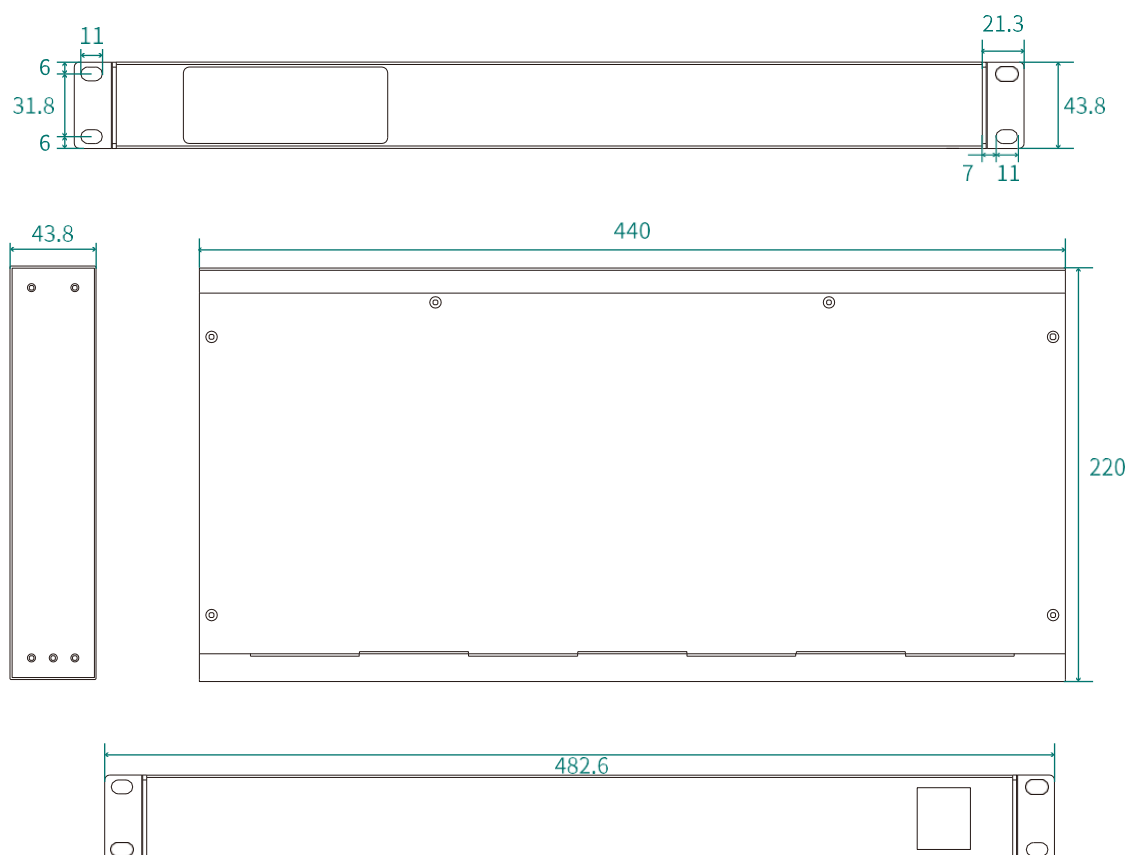
Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217, NTP
IP obtaining method	Static IP, DHCP
DNS	Support
User configuration	Web configuration
Simple transparent transmission	TCP Server/TCP Client/UDP Client/UDP Multicast/RealCOM/Pair



method	Connection
Modbus	Modbus RTU/ASCII to Modbus TCP
Serial port packaging mechanism	Time and length can be set;
	the default value changes according to the baud 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;
Heartbeat package	Support TCP Keepalive mechanism, custom heartbeat packet content
Registration package	Customize the contents of the registration package
RFC2217	Support
Average transmission delay	<10ms
Supporting software	Management software
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC, RoHS



Dimensional drawing



Ordering Information

Mport3208-AD220

8 RS232/485 terminal blocks to 2 10/100M Ethernet port rack-mount serial server, single-channel AC85-264V/DC110~370V isolated power supply, rack-mounted installation, standard configuration included as standard wire, network cable, metal shell.

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