

Mport3216-AD220

16-port RS485/RS232 Serial to Ethernet Server

Product Description

Mport3216-AD220 is an industry level non-isolated serial server device developed by Maiwe . It has the anti-lightning, anti-electromagnetic interference, reliability and safety features. It mainly realizes data transmission between multi-channel serial port RS232/485 to Ethernet. Mport3216-AD220 integrates TCP/IP protocol stack, so that RS232/485 devices on the original connection can also be connected to the Ethernet port flexibly and quickly.



Features:

- 2x100/1000M combo ports, 16 RS485/422 serial ports
- Adopt 32-bit ArmCortex-A8 core CPU
- Up to nearly 800MHz frequency
- Hardware watchdog design to prevent crashes
- Ethernet interface common mode $\pm 6KV$, differential mode $\pm 2KV$ (10/700us) lightning protection
- RS-232/RS-485 interface up to $\pm 4KV$ (1.2/50us) surge protection
- $\pm 2KV$ common mode, $\pm 2KV$ differential mode surge protection
- Support Modbus RTU/ASCII to Modbus TCP
- Support email alerts and mirror dual backup



Product Specifications

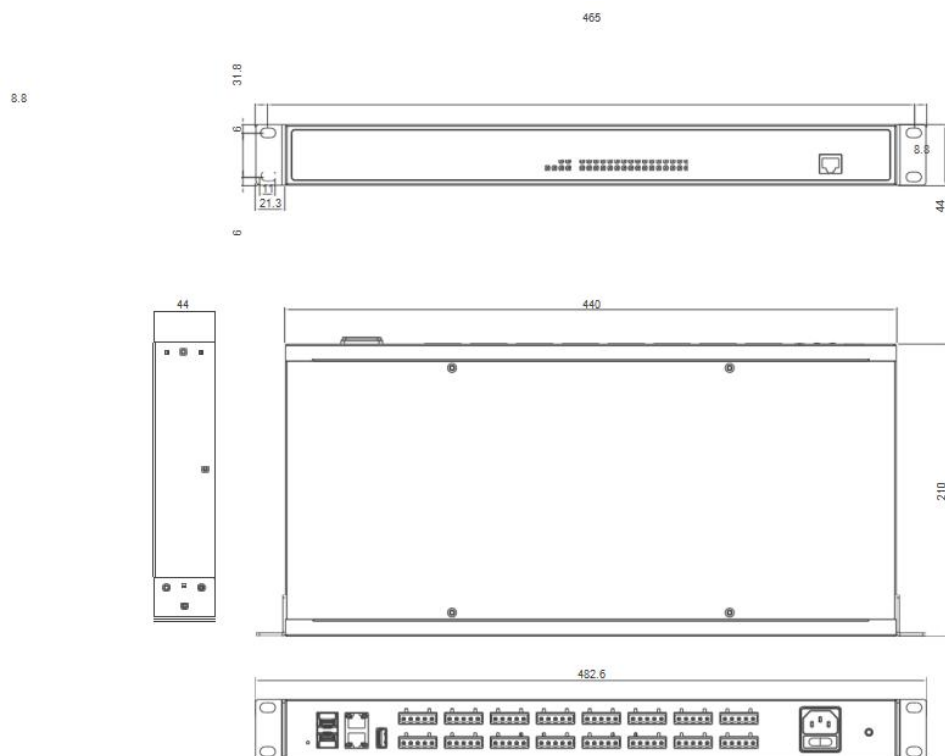
Power Supply	
Operating Voltage	85~264VAC or 110~370VDC
Power consumption	6.5W@AC220V
Network port	
Type of Network port	10/100/1000Mbps combo port, Optical fiber port can be configured with 100/1000Mbps
Isolation Protection	1.5KV isolation protection(Electrical interface)
Serial Port	
Number of serial ports	16*RS485/232
Parameter	300~460800(bps); 1/2 stop bit; 5/6/7/8 data bit; Data Bits: 5, 6, 7, 8; Stop Bits: 1, 2; Check Bits: None\Odd Parity\Even Parity\Mark\Space
Reliability	
ESD	±8kV(contact) ±15kV(air)
Surge	Power supply: ±2kV/common mode ±2kV/differential mode
	RS485/232: ±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℃~+70℃
Storage Temperature	-40℃~+85℃
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 page configuration/CONSOLE port simple network parameter configuration
Simple transparent transmission method	IPv4,IP,TCP/UDP,ARP,ICMP,DHCP,DNS,HTTP, RFC2217, NTP,TELNET,SNMP,TFTP
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: 2Kbyte; Receive: 2Kbyte;
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

Mport3216-AD220	16-channel RS232/485 Ethernet rack-mounted serial server (85~264VAC or 110~370VDC)
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Wuhan Maiwe Communication Co., Ltd

Add: No.52 Liufang Avenue, East lake High-tech Development Zone, Wuhan, China.

Tel: 027-87170215/16 Fax: 027-87170217



ES France - Mobilité & Systèmes Embarqués
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 80
Fax. 01 47 01 16 22



e-mail : mse@es-france.com
Site Web : www.es-france.com