Mport3216-I-AD220

16-port RS485/RS422 Serial to Ethernet Isolate Server

Product Description

Mport3216-I-AD220 serial port server is a serial port network communication product developed for high-end customers. Through it, users can access the serial port terminal anywhere in the Internet to realize the serial device data transmission application extension function. Mport3216-I-AD220 adopts real dual network port design, has two independent IP addresses, supports multiple application modes, and supports TCP server mode, TCP client mode, UDP mode, couplet mode, reverse terminal mode and other working modes, allowing user software to pass. Standard web application interfaces (winsock BSD sockets) access serial devices, support COM and TTY drivers in real serial mode, traditional application software uses com port communication, no need to make any changes, these product features can protect user software low-cost investment.

Features:
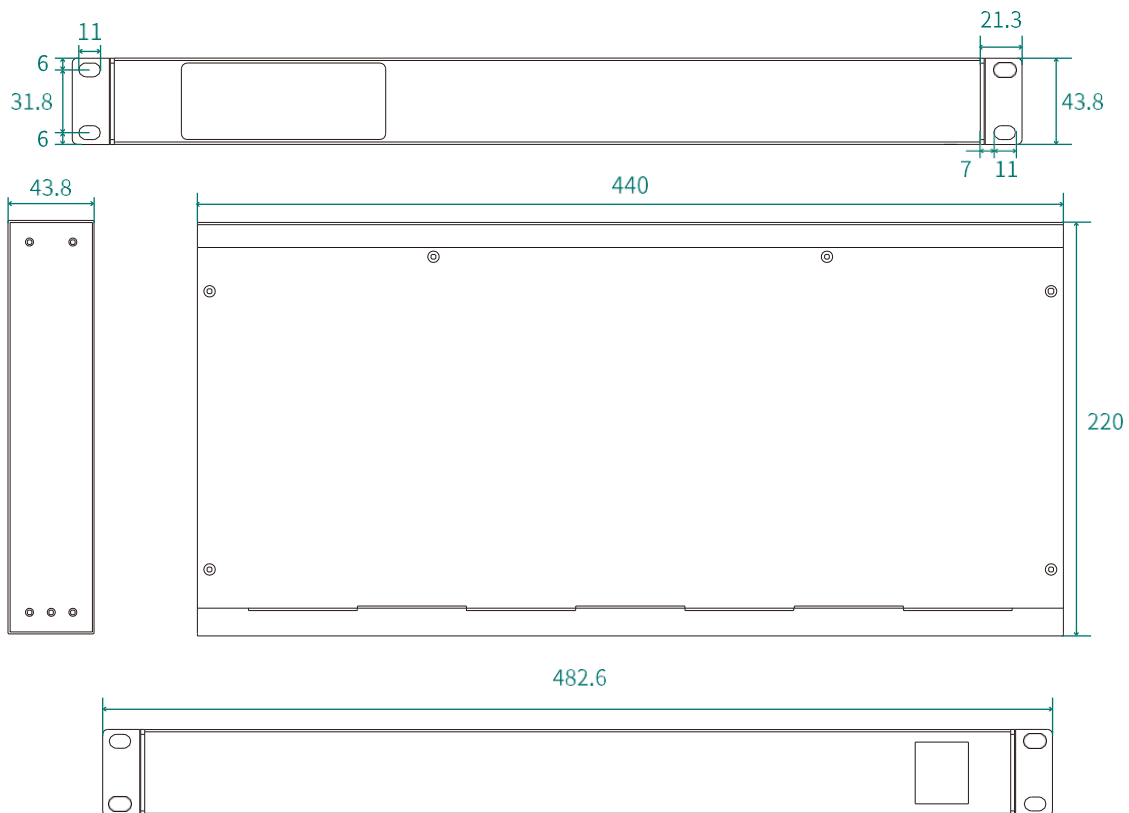
-2x10/100/1000M Ethernet ports, 16 RS485/422 serial ports

-Excellent performance with ARM9 platform

-Embedded LINUX operating system, stable and reliable

-Support for Windows/Linux COM/TTY drivers

-Standard TCP/IP interface and rich application mode

-Built-in 15KV ESD protection for all serial ports

-Easy to use Web/Telnet operation configuration

-Standard 19" rack mount

Product Specifications

Power Supply	
Operating Voltage	85~264VAC or 110~370VDC
Power consumption	7.0W@AC220V

Network port	
Type of Network port	10/100/1000Mbps photoelectric multiplexing port, Optical port can be configured with 100/1000Mbps
Isolation Protection	1.5KV isolation protection(Electrical interface)

Serial Port	
Number of serial ports	16*RS485/422
Parameter	300~460800(bps); 1/2 stop bit; 5/6/7/8 data bit; Five verification methods: None/Odd/Even/Mark/Space

Reliability	
ESD	±8kV(contact) ±15kV(air)
Surge	Power supply: ±2kV/common mode ±2kV/differential mode
	RS485/422: ±4kV/common mode ±4kV/differential mode
	Network port: ±6kV/common mode ±2kV/differential mode
EFT	Power supply: ±4kV, Communication port: ±4kV
Isolation voltage	2KVAC/3KVDC

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	482.6×220×43.8（mm）

Software Parameters	
Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217, NTP, TELNET, SNMP, TFTP
IP obtaining method	Static IP, DHCP
DNS	Support

User configuration	Web page configuration/CONSOLE port simple network parameter configuration
Simple transparent transmission method	TCP Server/TCP Client/UDP Client/UDP Multicast/ RealCOM
Modbus	Modbus RTU/ASCII to Modbus TCP 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 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

11

21.3

6

31.8

6

43.8

43.8

7 11

43.8

440

220

482.6

Ordering Information

Mport3216-I-AD220	16 RS485/422 terminal block to 2 channels 10/100/1000M Ethernet photoelectric multiplexing port. Rack mounted type isolated serial port server, single-channel AC85-264V/DC110~370V isolated power supply, rack mounted installation. The power supply, the network port, and each serial port are fully isolated, with an isolation voltage of 3000VDC, the standard configuration includes power cord, network cable, and metal shell.