Mport3104

4-port RS485/422 Serial to Ethernet Server

Product descriptions

Mport3104 series is a secure terminal server that can be used as a web server. Mport3104 is designed for serial devices that require centralized monitoring over a network. The security of data transmission becomes more and more important when a large number of serial devices are connected to the network. Mport3104 can support encryption to ensure the secure and stable networking of serial devices. Mport3104 serial networking server is a terminal server with one 10/100M Ethernet port and four asynchronous serial ports.
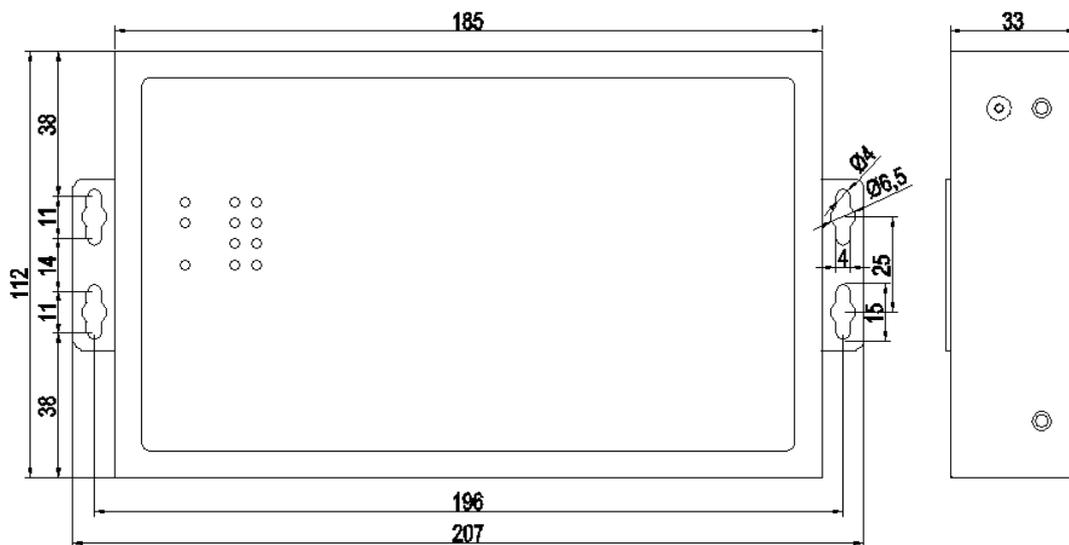

Features:

-One 100M Ethernet RJ45 port and 4 RS422/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-422 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

Model		Mport3104
Power Supply	Operating Voltage	9~36V
	Working Current	66mA@12V
Network Port	Network Port	10/100Mbps;RJ45 interface; adaptive MDI/MDIX cross-connect and auto-flip
	Isolation Protection	1.5KV
Serial Port	Serial Ports	4*RS-485/422
	Baud rate	600~460800（bps）
	Data bit	7, 8
	Stop bit	1, 2
	validation modes	none, odd parity, even parity
Reliability	ESD	±8kV(contact); ±15kV(air)
	Surge	Power Supply: ±2kV/common mode, ±2kV/differential mode
		RS-485/422: ±2kV/common mode, ±2kV/differential mode
		Network port:±6kV/ common mode, ±2kV/ differential mode
	EFT	Power supply: ±2kV; Communication port: ± 2kV
Other	Size(L*W*H)	207×112×34.2（mm）
	Working Environment	-40℃～+85℃, 5%～95% RH (no condensation)
	Storage Temperature	-40℃～+85℃, 5%～95% RH (no condensation)
Software Parameters	Network protocol	IPv4, IP, TCP/UDP, ARP, ICMP, DHCP, DNS, HTTP, RFC2217
	IP	Static IP / DHCP
	DNS	Support
	User Configuration	Web configuration
	Simple Transparent Transmission Method	TCP Server/TCP Client/UDP Client/UDP Multicast/RealCOM/Pair Connection
	Modbus	Modbus RTU/ASCII to Modbus TCP
	Serial port packaging	Time and length can be set; the default value changes according to the bit rate; the maximum packing length is

mechanism	1460bytes.
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
Heartbeat Package	TCP Keepalive
Registration package	Custom registration package
RFC2217	Support
Average Transmission Delay	<10ms
Supporting Software	Network Configuration Tool, VirtualCOM, MWView, MaxView

Dimensional drawing

Ordering information

Mport3104	4-way RS485/422 terminal blocks to 1x10/100M RJ45 Ethernet, desktop serial to Ethernet server, DC9V~36V power supply