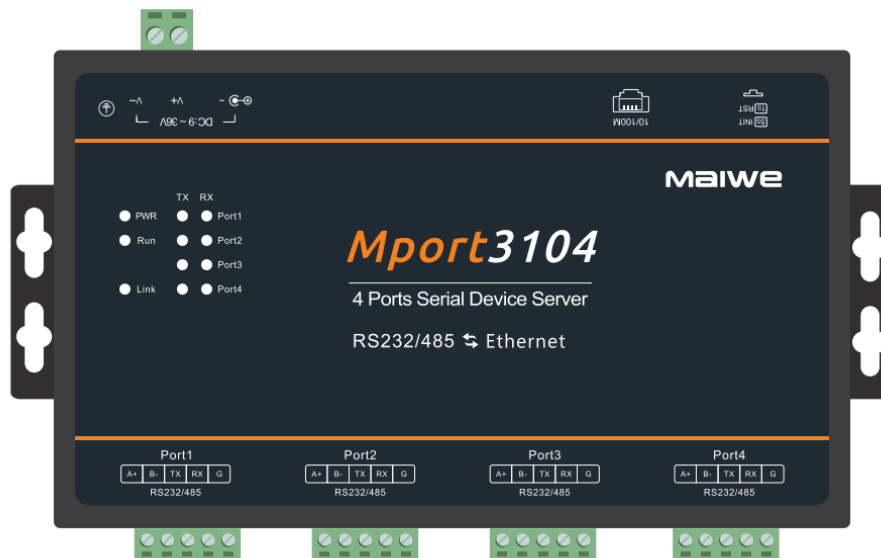


# Mport3104

## 4-port RS232/485 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:

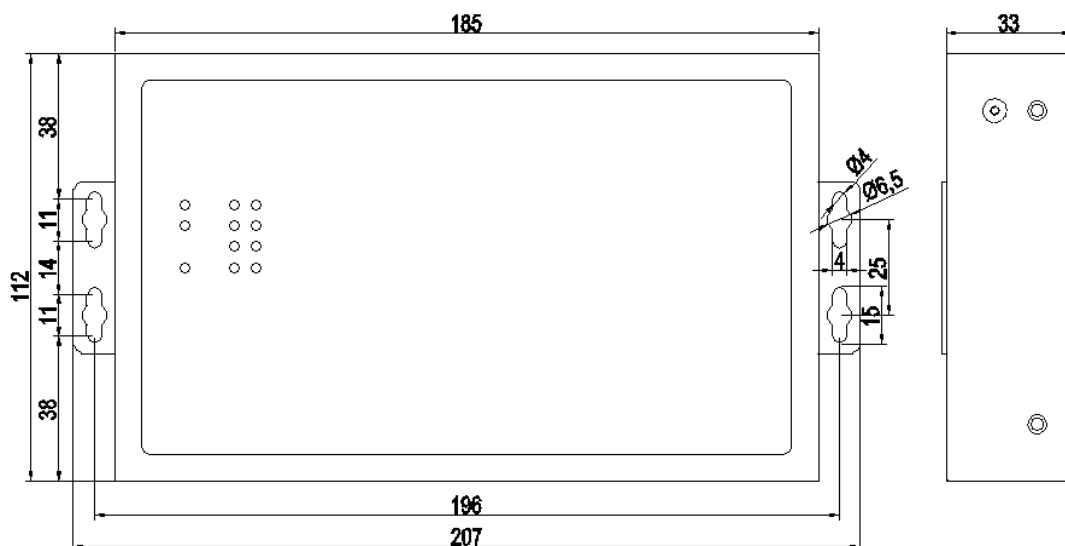
- One 100M Ethernet RJ45 port and 4 RS232/RS485 serial port
- Using 32-bit Arm Cortex-M7 core CPU, up to nearly 400MHz frequency
- External independent hardware watchdog design to prevent crashes
- Lightning protection of Ethernet interface up to 6KV
- RS-485/RS-232 interface up to 2KV surge protection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

## Product specifications

| 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-232/485   |
|                     | 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°C~+85°C, 5%~95% RH (no condensation)   |
|                     | Storage Temperature                           | -40°C~+85°C, 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 |
|-----------|--|