



◆ 4-Port RS-485/422 to Ethernet Serial Server

➤ Features

- Support 10/100M Ethernet
- Support 4 Port RS-485/422
- Support WEB and Telnet configuration
- Support TCP, UDP, ARP, ICMP, DHCP and DNS protocol
- Support TCP Server, TCP Client, TCP Auto, UDP and Real COM driver working mode
- Support UDP multicast and UDP subnet mode
- Support heartbeat time and time over disconnect function
- Support cross-gateway and cross-router communication
- Support virtual serial COM port access and Network interruption automatic recovery
- Provide Windows configuration tools for easy to use, easy to bath install.
- Industrial grade design, IP30 protection grade
- No fan, low consumption design
- Working temperature: -40~85°C



➤ Introduction

MWS04-204 is an high performance, industrial grade serial to Ethernet server, it can satisfy some kinds of customer requirements in consumption, temperature, volume and handle ability. It provides 4 port RS-485/422(RS-485/422 connector: 5 bit terminal block) and 1 port 10/100Base-Tx Ethernet, can focus manage disperse serial device, master through network, easy, convenience. In application, can configure, upgrade through WEB

Moreover, MWS04-204 provide strong function configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can can flexible configure IP address, server and client mode, data bag size etc.

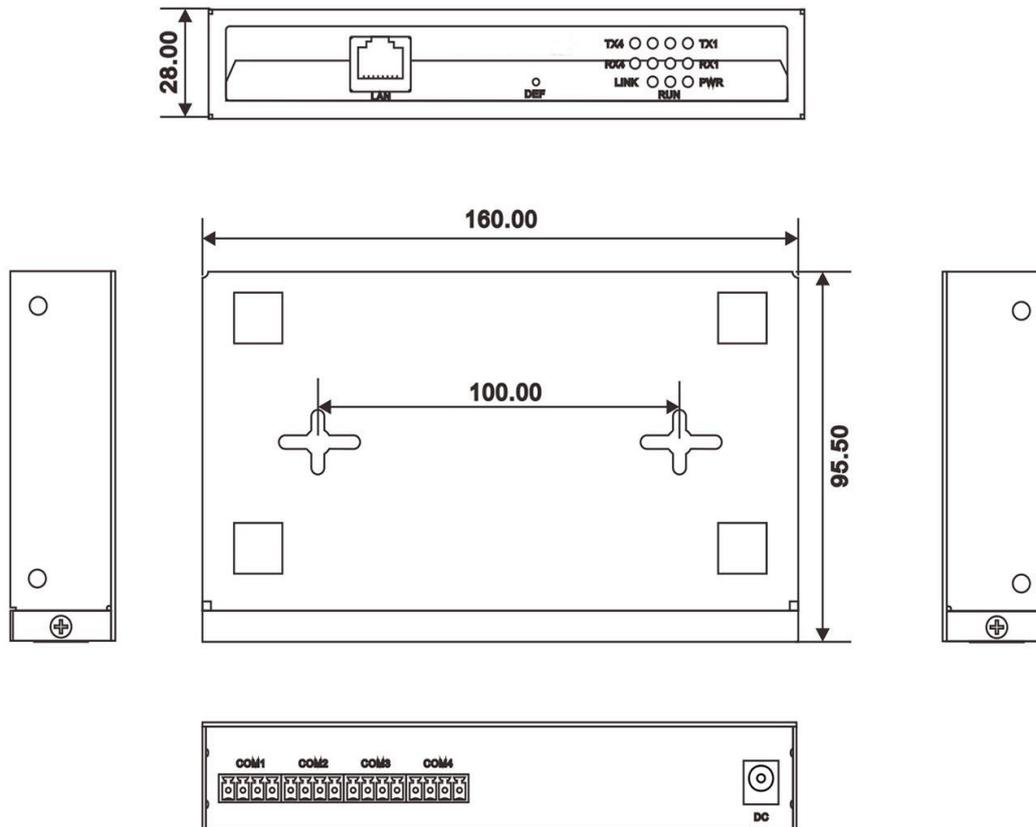
MWS04-204 adopts EMC protection design, can work in rugged environment.

➤ Specification

Ethernet port	
Standard	10Base-T, 100Base-TX
Protocol	Support TCP, UDP, APR, ICMP and DHCP
Signal	Rx+, Rx-, Tx+, Tx-
Speed	10/100Mbps
Working	Full-duplex and half duplex
Working mode	Support TCP Server and Client
Transfer distance	100m
Connector	RJ45
RS-485/422 port	

RS-485/422 port number	4
RS-422 signal	T+(A),T-(B),R+(A),R-(B)
RS-485 signal	D+(A),D-(B)
Parity bit	None, Even, Odd, Space, Mark
Data bit	5bit,6bit,7bit,8bit
Stop bit	1bit,1.5bit,2bit
Band rate	300bps~115200bps
Loading	support 32 nodes loop back
Transfer distance	1200
Connector	4-bit terminal block
Protection	class 3 static, 1.5KVAC isolation
LED Indicator	
Working statue indicator	RUN
Power	
Ethernet port connect statue	(Link)
RS-485/422 port transmit data indicator	TX1~TX4
RS-485/422 port receive data indicator	RX1~RX4
Power requirements	
Input voltage	12VDC (9~48VDC)
No-load consumption	1.35W (9~48VDC)
Full-load consumption	1.44W (9~48VDC)
Environment limits	
Working temperature	-40~85℃
Storage temperature	-40~85℃
Relative humidity	5%~95% (non-condensing)
Mechanical	
Shell	IP30 protection, metal shell
Installation	Wall mounting
Weight	450g
Size (L×W×H)	160mm×95.5mm×28mm
Standard	
EMI	EN 55022 Class A, FCC Part 15 Subpart B Class A
EMS	EN 55024, EN 61000-4-2 (ESD) Level 3 EN 61000-4-3 (RS) Level 3 EN 61000-4-4 (EFT) Level 4 EN 61000-4-5 (Surge) Level 3 EN 61000-4-6 (CS) Level 3 EN 61000-4-8, EN 61000-4-11
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty time	5years
Certificates	CE, FCC, RoHS, UL508(pending)

➤ Dimension



➤ Ordering Information

Model NO.	Description
MWS04-204	4-Port RS-485/422 to Ethernet Serial Server
MWS04-104	4-Port RS-232 to Ethernet Serial Server

➤ Packing List

- MWS04-204×1
- User manual ×1
- Straight network cable ×1
- Software CD-ROM ×1
- Warranty card×1

➤ Optional accessories

- DIN-Rail Mounting Kit (35mm) ×1