



### ◆ 2-Port RS-232 to Ethernet Serial Server

#### ➤ Features

- Support 10/100M Ethernet
- Support 2 Port RS-232
- 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℃



#### ➤ Introduction

MWS02-102 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 2 port RS232 (RS-232 connector: RJ45) 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, MWS02-102 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.

MWS02-102 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

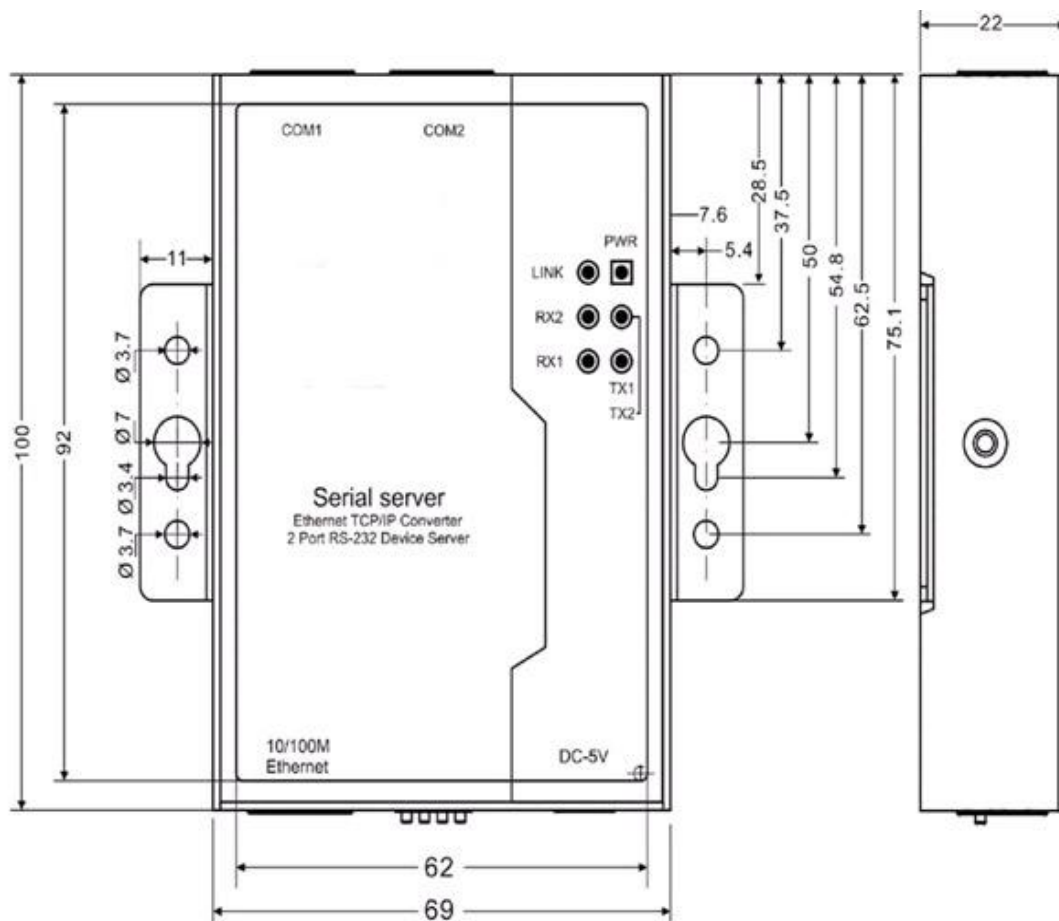
**RS232 port**

RS232 port number	2
RS-232 signal	DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
Parity bit	None, Even, Odd, Space, Mark
Data bit	5bit,6bit,7bit,8bit
Stop bit	1bit,1.5bit,2bit
Band rate	300bps~115200bps
Loading	point to point
Transfer distance	no more than 15m
Connector	RJ45
Protection	class 3 static
<b>LED Indicator</b>	
Power	(PWR)
Ethernet port connect statue	(Link)
RS232 port data indicator	TX, RX

**Power**

Input voltage	12VDC (9-48VDC)
No-load consumption	0.66W@12VDC
Full-load consumption	0.67W@12VDC
<b>Environment limits</b>	
Working temperature	-40~85℃
Storage temperature	-40~85℃
Relative humidity	5%~95% (non-condensing)
<b>Mechanical</b>	
Shell	IP30 protection, metal shell
Installation	Wall mounting
Weight	227g
Size (L×W×H)	100mm×69mm×22mm
<b>Standard</b>	
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
<b>Warranty</b>	
Warranty time	5years
Certificates	CE, FCC, RoHS, UL508(pending)

## ➤ Dimension



## ➤ Ordering Information

Model NO.	Description
MWS02-102	2-Port RS-232 to Ethernet Serial Server
MWS02-202	2-Port RS-485/422to Ethernet Serial Server

## ➤ Packing List

- MWS02-102×1
- User manual ×1
- Straight network cable ×1
- Software CD-ROM
- Product Warranty booklet

## ➤ Optional accessories

- DIN-Rail Mounting Kit (35mm) ×1