



◆ 16-Port RS-232 to Ethernet Serial Server

➤ Features

- Support 10/100M Ethernet
- Support 16 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: -25~70°C



➤ Introduction

MWS16-116 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 16 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, MWS16-116 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.

MWS16-116 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	16
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
LED Indicator	
Working statue indicator	RUN
Power	(PWR)
Ethernet port connect statue	(Link)
RS232 port transmit data indicator	TX1~TX16
RS232 port receive data indicator	RX1~RX16

Power

Input voltage	85~265VAC/DC
No-load consumption	1.9W@220VAC
Full-load consumption	3.4W@220VAC
Environment limits	
Working temperature	-25~70℃
Storage temperature	-30~85℃
Relative humidity	5%~95% (non-condensing)

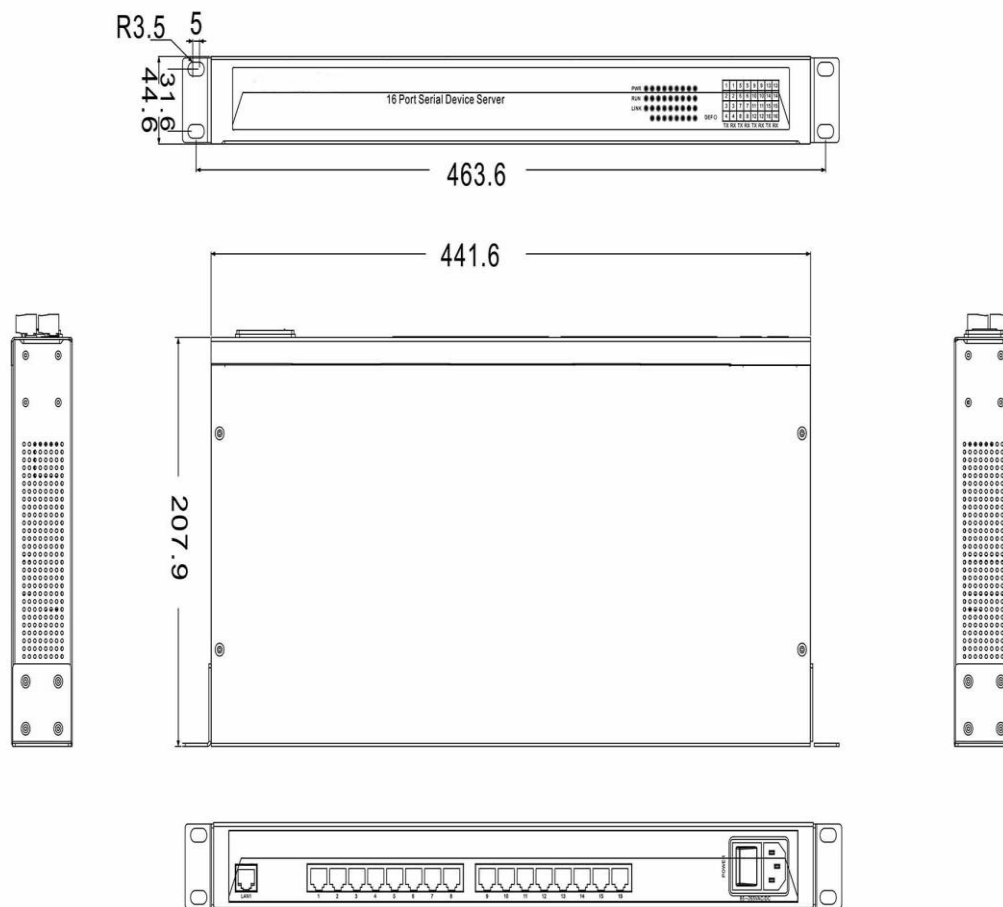
Mechanical

Shell	IP30 protection, metal shell
Installation	1U 19" rack mount
Weight	2500g
Size (L×W×H)	441.6mm×207.9mm×44.6mm

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
MWS16-116	16-Port RS-232 to Ethernet Serial Server
MWS16-216	16-Port RS-485/422 to Ethernet Serial Server

➤ Packing List

- MWS16-116×1
- User manual ×1
- Straight network cable ×1
- Power cable ×1
- Software CD-ROM
- Product Warranty booklet