



◆ 16-Port RS-232/485/422 to Ethernet Serial Server

➤ Features

- Support 4 port 10/100M Ethernet
- Support 16 port RS-232/485/422
- Support 1200 bps to 460800 bps non-blocking communication line speed
- Support TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocol
- Support TCP Server, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang, Pair Slave, Pair master and Real Com working mode
- Support the delimiter matches communication
- Support FIFO functionality
- Supports Windows 2000/XP/WIN7/WIN8/WIN10
- Support WEB and Telnet configuration
- Support virtual serial COM port access and Network interruption automatic recovery
- SNMP MIB for network management
- Standard 19-inch rackmount size
- Working temperature: -45~85°C



➤ Introduction

MWS16-516 is a 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 RS232/485/422 (connector: RJ45) and 4 port 10/100Base-Tx Ethernet, can focus manage disperse serial device, master through network, easy, convenience. In application, can configure, upgrade through WEB. Support TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocol, Support virtual serial COM port access and SNMP MIB for network management

Moreover, MWS16-516 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, user can flexible configure IP address, server and client mode, data bag size etc.

MWS16-516 adopts EMC protection design, can work in rugged environment. Appearance design support 1U RACK type installation, allowing you to simplify operational, maintenance and administrative tasks

➤ Specification

Ethernet port

Interface	24port RJ45,4port 10/100M Ethernet,16port RS232/422/485,4port reserved
Standard	10Base-T, 100Base-TX
Protocol	Support EHERNET,IP,TCP,UDP,HTTP,ARP,ICMP,DHCP,DNS
Signal	Rx+, Rx-, Tx+, Tx-
Speed	10/100Mbps
Working	Full-duplex and half duplex
Working mode	Support TCP Server,TCP Client,UDP Server,UDP Client,UDP Multicast,UDP Rang ,Pair Slave,Pair master and Real Com working mode
Transfer distance	100m
Connector	RJ45

RS-232/485/422 port

RS-232/485/422 port number	16
RS-232 signal	DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
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, 2bit
Band rate	1200bps~460800bps
Direction control	RS-485 using data flow automatic control technology
RS-232 transfer distance	no more than 15m
RS-485/422 Transfer distance	1200m
Connector	RJ45
LED Indicator	
Working statue indicator	RUN
Power	(PWR)
Ethernet port connect statue	(Link)
RS-232/485/422 port transmit data indicator	TX1~TX16
RS-232/485/422 port receive data indicator	RX1~RX16

Power

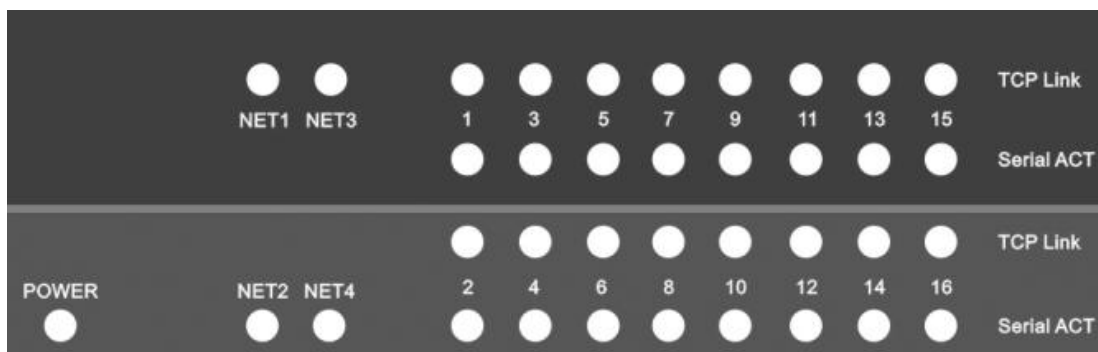
Input voltage	220V AC
Power consumption	9W
Environment limits	
Working temperature	-45~85℃
Storage temperature	-65~165℃
Relative humidity	5%~95% (non-condensing)
Mechanical	
Shell	IP40 protection, metal shell
Installation	1U 19" rack mounting
Weight	2500g
Size (L×W×H)	480mm×180mm×45mm

Standard	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD) , Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 2,
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty time	3years
Certificates	CE, FCC, RoHS

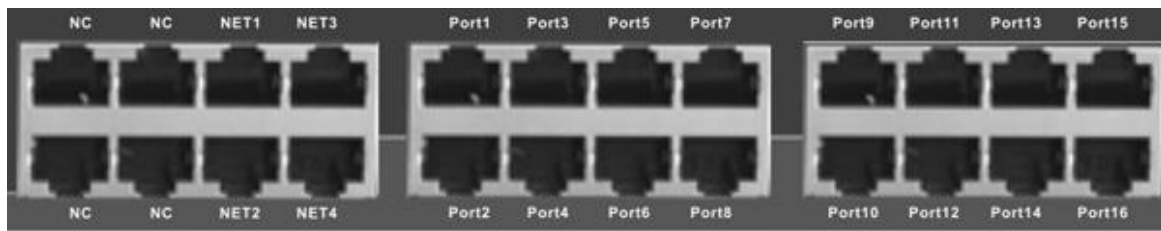
➤ Dimension



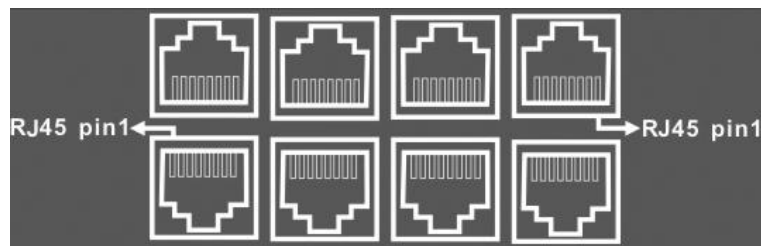
480mm × 180mm × 45mm



LED indicators



Network port and Serial port



RJ45 pin

➤ Ordering Information

Model NO.	Description
MWS16-516	16-Port RS-232/485/422 to Ethernet Serial Server, AC220V
MWS08-508	8-Port RS-232/485/422 to Ethernet Serial Server, AC220V

➤ Packing List

- MWS16-516×1
- User manual ×1
- Power cable ×1
- CD ×1
- Warranty card ×1
- Certificate of quality×1
- Rackmount ears ×2