



## Industrial Serial to Ethernet Converter **MWISB01**

### ◆ 1-Port RS-232/485/422 Modbus to Ethernet Industrial Converter

#### ➤ Features

- Support 1 port RS-232/485/422 Modbus to Ethernet
- Support 1200 bps to 460800 bps non-blocking communication line speed
- Support TCP Server, TCP Client, UDP mode
- Support CTS/RTS hardware flow control
- Supports virtual serial and searching device or modifying parameters
- Provide device management library (Window DLL library)
- With build-in Web server, its parameters can be modified by web browse
- Support DHCP, easy for IP management and solve IP confliction
- Support DNS. It fulfills the need of access data server through domain name
- UDP mode support dynamic destination address mode.
- Support full duplex, high speed converting, simultaneously converting large bulk of data with no pause, and no data is lost
- Build-in 2 KV electrical plus protection in RJ45
- High protection of electromagnetic interference, with its high electromagnetic interference protection SECC external shell.
- Supports Windows 2000/XP/WIN7/WIN8/WIN10
- Working temperature: -40~85°C



#### ➤ Introduction

MWISB01 is a Industrial serial to Ethernet converter. It converts RS232/485/422 Modbus protocol to TCP/IP protocol. It provides 1 port RS232/485/422 and 1 port 10/100Base-Tx Ethernet, can conveniently let serial device connect to Ethernet and Internet, and upgrade the serial device with networking.

MWISB01 supports Full-duplex/Half-duplex, uninterrupted communication. It embedded with lightning protection circuits. It supports DHCP, DNS. It supports virtual serial driver, and user's previous PC software using serial communication need no change.

## ➤ Specification

<b>Interface</b>	
Serial	DB9 Male for RS232, 2 PIN terminal for RS485/RS422;
RJ45	Networking connector; Power plug-in or terminal
<b>Communicate interface</b>	
Ethernet	10M/100M, 2KV electrical plus protection
Serial	RS232/RS485/422: RXD, TXD, GND, CTS, RTS
<b>Serial parameters</b>	
Band rate	1200~460800bps
Parity	None, Odd, Even, Mark, Space
Data size	5~9
Flow control	CTS/RTS, DTR/DSR, XON/XOFF
<b>Software</b>	
protocol	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS,
Setting method	ZLVirCom, WEB browser, device management library
Net communication method	Socket, Virtual serial , device management library
Work mode	TCP server, TCP client, UDP, Real Com Driver
<b>Power</b>	
Input voltage	9-24V DC
Power consumption	4W
Working temperature	-40~85℃
Storage temperature	-40~120℃
Relative humidity	5%~95% (non-condensing)
Shell	IP40 protection, metal shell
Installation	DIN-Rail
Weight	800g
Size (L×W×H)	94mm*65mm*25mm
<b>Standard</b>	
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
<b>Warranty</b>	
Warranty time	3years
Certificates	CE, FCC, RoHS