



USB to RS-232/RS-485/RS-422

MWU50-I

◆ USB to RS232/485/422 converter with Isolation

➤ Features

- Convert USB to 1 RS-232 or RS-485 or RS-422
- Low CPU occupation rate, steadily performance
- RS-485/422 can establish at most 32 nodes
- RS-485/422 transmit distance can reach up to 1200m
- Serial port support 2KVAC isolation protect
- Auto sense serial signal rate, band rate: 300~115200bps
- Industrial grade design, IP30 degree of protection
- No fan, low consumption design
- Plug and play, 9-48VDC external power supply or USB power supply or both of them
- Storage temperature: -40°C~85°C; Humidity: Relative humidity 5% to 95%



➤ Introduction

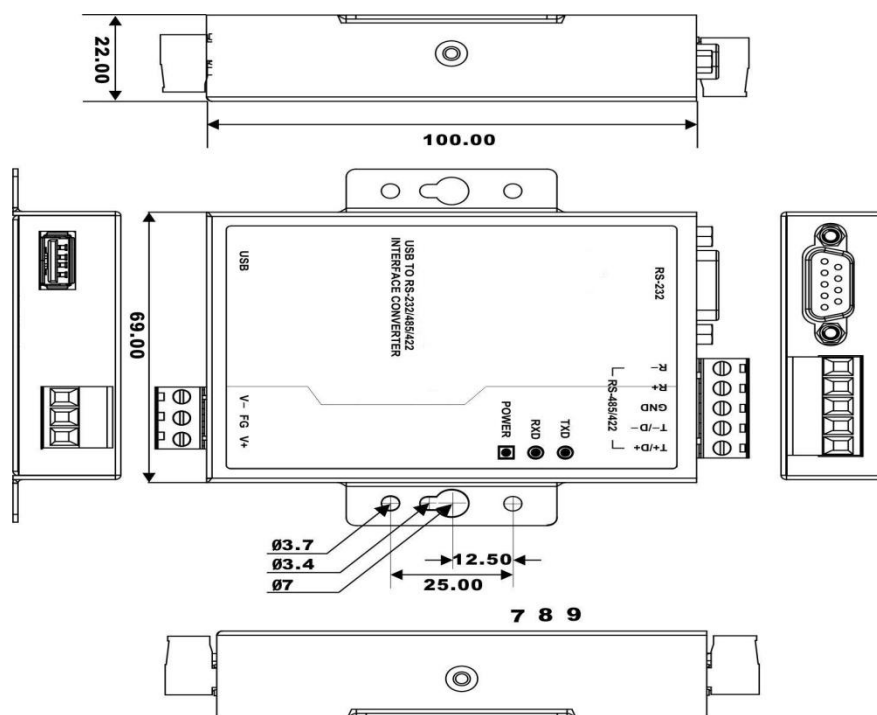
MWU50-I is kind of industrial USB to RS-232/485/422 converter, plug and play, 9-48VDC external power supply or USB power supply or both of them, it support DIN-Rail and wall mounting installation, can support latest operation system, wide working temperature, 2KVAC isolation protect, easy using for your projects.

➤ Specification

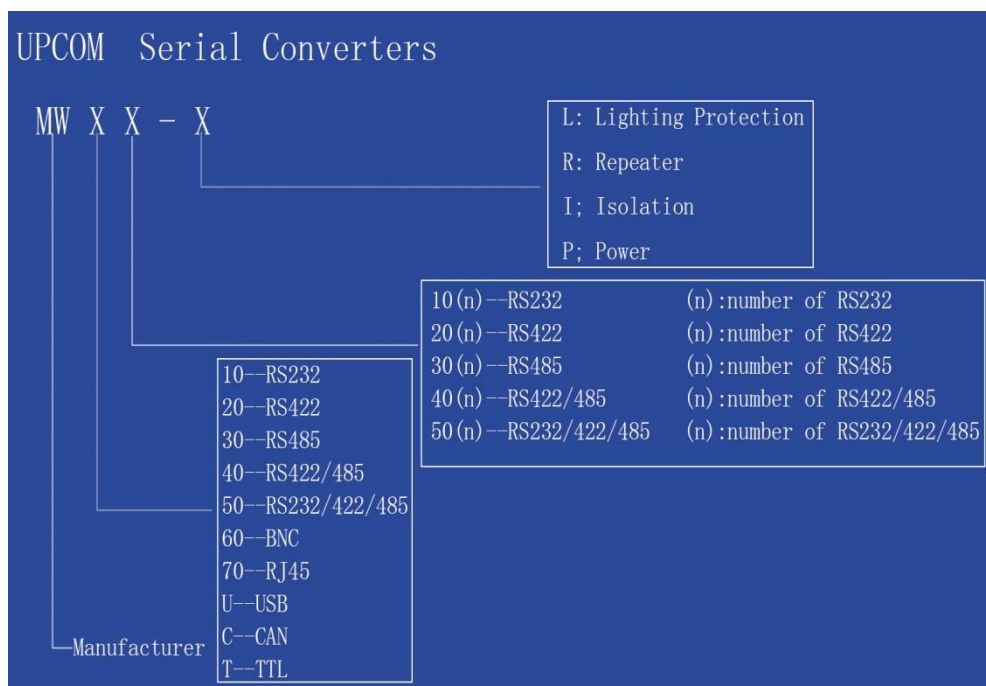
Communication parameter	
Serial No.	1 RS-232/485/422
USB signal	VCC, D+,D-,GND
RS-485 signal	D+, D-
RS-422 signal	T+, T-, R+, R-
RS-232 signal	DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
Parity	None, Even, Odd, Space, Mark
Data bites	7bit, 8bit
Stop bites	1bit, 2bit
Band rate	300bps~115200bps
Flow control	Data direction auto-turnaround, no flow control is required
Loading	RS-485/422 side 32 nodes
Transfer distance	RS-485/422 side 1200m, RS-232 side 15m, USB side: 5m
Interface	
USB port	USB A type female
RS-232	DB9 male
RS-485/422	5 bits 5.08mm terminal block
Serial protection	RS-485/422: 2KVAC isolation protection, 8KV static protection
Power supply	8KV static protection
LED indicator	

Power indicator	PWR
Serial send data indicator	TX
Serial receive data indicator	RX
Power supply	
Input voltage	12VDC (9~48VDC)
No-load power consumption	0.348W@12VDC
Full-load power consumption	0.384W@12VDC
Mechanical	
Shell	IP30 degree of protection, metal shell
Weight	226g
Dimension(L*W*H)	100mm ×69mm ×22mm
Working environment	
Working temperature	-40~85℃
Storage temperature	-40~85℃
Humidity	relative 5%~95%(non-condensing)
Standard	
EMS	EN61000-4-2 (ESD), Level 2
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty time	5 years
Certification	CE, FCC, RoHS, UL508(pending)

➤ Dimension



➤ Ordering Information



➤ Packing List

- MWU50-I × 1
- User manual × 1