

RS-232/RS-485/RS-422 Fiber Optic Converter

Model: B1-DIDUS

◆ Brief introduction

The RS232/485/422 fiber optic modem can be used for transfer the RS232 or RS485 or RS422 signal by using fiber line. It could protracting the distance of communication and resisting the disturbing. It could security and the secret of the communications. The RS485/422 port support to multi-modes communications and is easy to construct the network. It is widely used in industrial control and data gather areas, especially for electric automation system and traffic control department.

◆ Main Function

- RS-232 or RS-485 or RS-422 ports can be chosen;
- Internal intelligent module,auto recognize RS485 signal flow, no need CTS control;
- Transparent data communication,baud rate adapted,no need to resetting user contract;
- Industry level design,excellent import element chosen, all surface adhibit technics.

◆ Capability parameter

Power Supply	DC5~36V
Working current	<20mA
Baud Rate	300~115.2Kbps
Communication distance	Multi mode 5km,single mode 20km(40km,60km,80km can be chosen)
Electric port	9 ways industrial terminal block
Optic port	SC、 ST 、 FC can be chosen
Wavelength	Multi mode 850nm/1310nm,Single Mode 1310nm/1550nm
Fiber type	Multi mode 62.5/125μm or 50/125μm,single Mode 9/125μm
Transmission power	≥-8dBm
Incept delicacy	≤-20dBm
Dimension and Weight	78mm×85mm×25mm, 108g (Hung) 126mm×72mm×34mm, 0.4kg (DIN-Rail)
Working temperature	-40℃~85℃

◆ Quality promise

- 1.We can exchange the product in 1 years for the quality problem.

- 2.We guarantee to keep the product in good repair for 5 years.

◆ PIN Setting

The RS232/485/422 signal port is a industrial terminal block as below:

Hanging type 9pins terminal block:

pin	1	2	3	4	5	6	7	8	9
def	T+	T-	R+	R-	GND	TX	RX	GND	Vpp
sort	RS-485/RS-422				RS-232			Power	

Din rail type 10pins terminal block:

pin	1	2	3	4	5	6	7	8	9	10
def	T+	T-	R+	R-	GND	TX	RX	GND	Vpp	GND
sort	RS-485/RS-422				RS-232			Power		

Notice:The MWF201 RS-485/422 port is auto adapte.When used RS-485 port,it connect with pin 1,pin 2,pin 5 these three pin:pin 1 is A+ (485+) ,pin 2 is B-(485-) and pin 5 is GND.

When used RS-422 port,it conenct with pin1,pin2,pin3,pin4,pin5,pin 1 is T+,pin 2 is T-,pin 3 is R+,pin 4 is R-,pin 5 is GND.

The pin5,pin 6,pin 7 are RS-232 port:pin 5 is GND, pin 6 is TX(sent signal),pin 7 is RX(receive signal).

When used RS232 port, The pin 5,pin6,pin 7 blocks of the terminal are RS232 port,pin 5 is GND,pin 6 is TX(send signal),pin 7 is RX(receive signal).

◆ Attention

●Grounding

When RS-485(or RS-422)working,we suggest connect each GND between fiber optic modem with Equipment RS485 port.Becuase RS485(or RS422)communication <12V.The RS-485 connect with 3 pin(A +、 B -、 GND),the RS-422 connect with 5 pin(TX+、 TX-、 RX+、 RX-、 GND),signal GND connect with each other,however do not connect with ground.

●Indication light

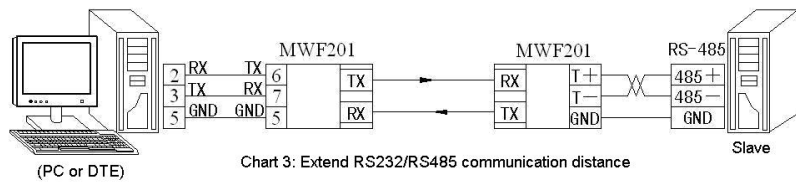
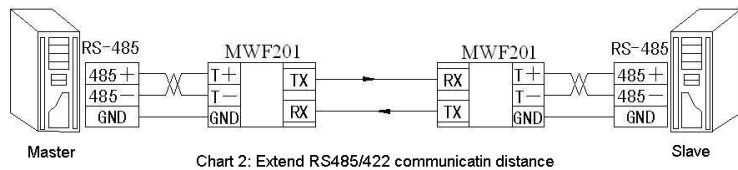
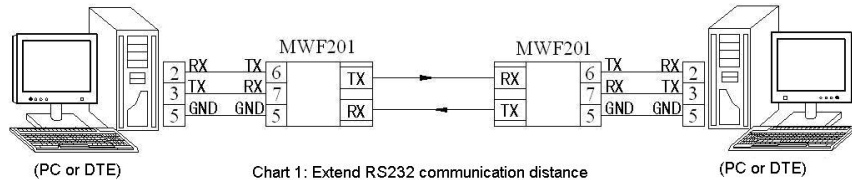
The MWF201 have Three indication light,POW light is for power,TX light shows sent the data to external,and RX light shows receive the data from externa.

●Power supply

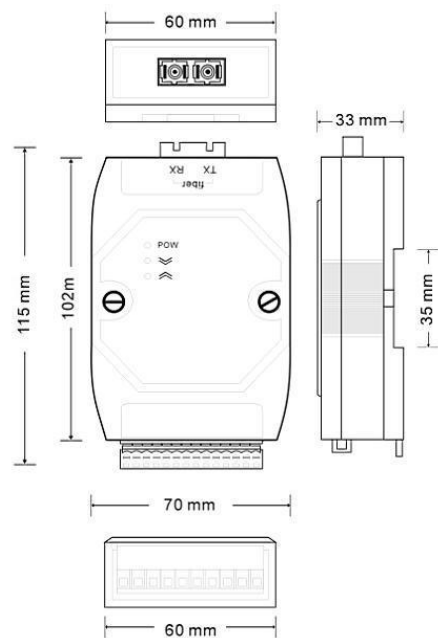
Adapte DC5V ~ 30V power supply,current can be flow by their-line bore or the terminal block 8,9 pin.Pin 8 is GND,Pin9 is power.We provide AC220V/DC5V power adapter.

NOTICE:the power polarity,wrong connection will damage the equipment.

◆ Application



Din rail type:



Hanging type:

