

USB to RS485/422 Serial port converter

Model: MWE820A

◆ Brief introduction

The MWE820A is a USB to RS-485/RS-422 converter with power supply from USB port that no need external power supply.

◆ Main Function

- According to USB2.0 criterion, plug and play supported;
- Long-distance awoken and power manage;
- Particular protect circuit of the port ,static and lightning strike resisting;
- Intelligent module inside ,identifying and transmitting the RS-485/RS-422signal flow automatically with no delay;
- Industry level design,excellent import element chosen,all surface adhibit technics.

◆ Capability parameter

Baud rate	300~115200bps
Communication Distance	1.5Km
Isolation protection	15Kv static protecting,600W/ms lightning protecting
Ambient Relative Humidity	0~95%(non-condensing)
Working temperature	-40~85°C
Software support	WIN98/2K/XP/7 ,Apple OS8/OS9

◆ PIN Setting

PIN	1	2	3	4	5
Define	TX+(A+)	TX-(B-)	RX+	RX-	GND

◆ Product

Indicator lights:

- A.Sent light
- B.Receive light

Connect method:

When connect with RS485

1.Connect the MWE820A A+ port with RS485 A+ port

2.Connect the MWE820A B- port with RS485 B- port

When conenct with RS422:

1.Connect the MWE820A TX+ port with RS422 RX+ port

2.Connect the MWE820A TX- port with other RS422 RX- port

3.Connect the MWE820A RX+ port with other RS422 TX+ port

4.Connect the MWE820A RX- port with other RS422 TX- port

5.GND connect with ground or connect each other,When use shield line,Shielding layer connect with ground

6.If RS485 communication distance more than 500m or disturbed,please Connect A+,B- with 120Ω terminal resistor

◆ Installation attention

After software install sucess,user PC create one port.This port could be use for normal user. Please setting save data to C:\SiLabs\

1.**WIN98**:install WIN file,then go to "Device Remover"refresh "CP2101 USB to UART Bridge Controller".

2.**WIN2000/WINXP**:install WIN/slabbus.sys file,then go to "Device Remover"refresh "slabser.sys".

3.**Apple OS8/OS9**:Zip MAC "zip" file,then run installer.

◆ Quality promises

- 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.