

# USB to RS232/485/422 Converter With Isolation

Model: MWE820B

## ◆ Brief introduction

The MWE820B is an industrial level USB to RS-232/485/422 converter with power supply from USB port that no need external power supply.

## ◆ Main Function

- Support USB 2.0 standard & hot-Swappable;
- Long-distance awoken and power manage;
- Particular protect circuit of the port ,static and lightning strike resisting;
- Sheer transfers and baud rate auto-fitting,no need to change user's protocol;
- Industry level design,excellent import element chosen,all surface adhibit

technics.

## ◆ Capability parameter

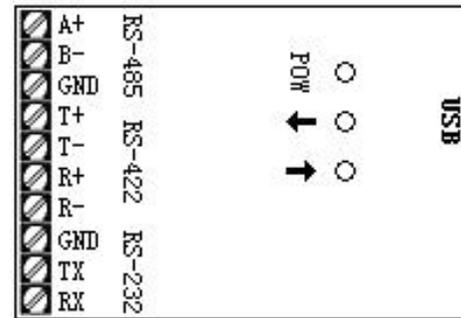
|                           |   |
|---------------------------|---|
| Working current           | <15mA   |
| Communication Distance    | >1.5Km  |
| Max node                  | 110 nodes   |
| Baud rate                 | 300~115,200bps  |
| Port Standard             | USB2.0  |
| Isolation protection      | 15Kv static protecting and 600W/ms lightning protecting |
| Ambient Relative Humidity | 0~95%(non-condensing)                                   |
| Working temperature       | -40℃~85℃  |
| Support                   | WIN98/2000/XP/7 Apple OS8/OS9                           |

## ◆ User guide

### ①Setting:

The MWE820B get USB port, it support hot-Swappable.Before using, please install software. Users have one choice from the three operations: they can only use RS-232, or RS-485, or RS-422. It have following ports:

A+,B-,GND,T+,T-,R+,R-,GND,TX,RX,schematics shows connection details:



### ③Connection method:

A.Connect with RS485

1.connect the MWE820B A+ port with RS485 A+

2.connect the MWE820B B- port with RS485 B-

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

B.Connect with RS422

1.connect the MWE820B T+ with RS422 R+

2.connect the MWE820B T- with RS422 R-

3.connect the MWE820B R+ with RS422 T+

4.connect the MWE820B R- with RS422 T-

C.Connect with RS232

1.connect the MWE820B TX with RS232 RX

2.connect the MWE820B RX with RS232 TX

3.GND connect with GND

## ◆ Installation attention

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.

### ②Indicator lights:

A.POW light: power indicator light

B. ← light: Data come from USB

C. → light: Data transfer to USB