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USB8485I Interface Converter Quick Installation Guide

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【Package Checklist】

Please check whether the package and accessories are intact while using the device for the first time.

1. Interface converter 2. Warranty card
3. Certification 4 Power adapter
5. AM USB head / BM USB head converter line

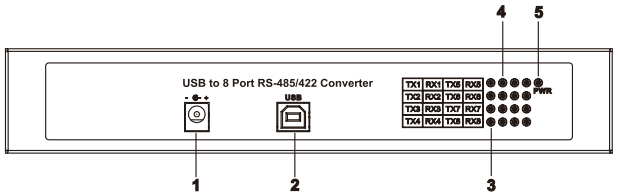
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

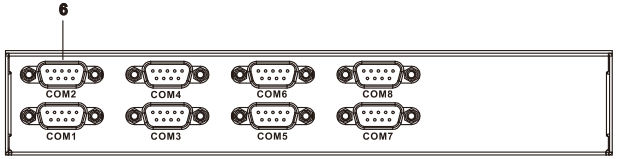
The product is a data exchange interface converter between USB and RS-485, model is USB8485I (1 USB port +8 isolated RS-485/422 serial ports +1 9VDC power supply).

【Panel Design】

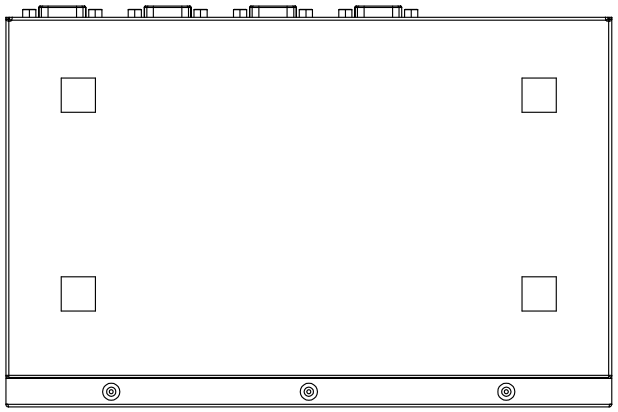
➢ **Front View**



➢ **Rear view**



➢ **Bottom view**



➢ **Left view, right view**

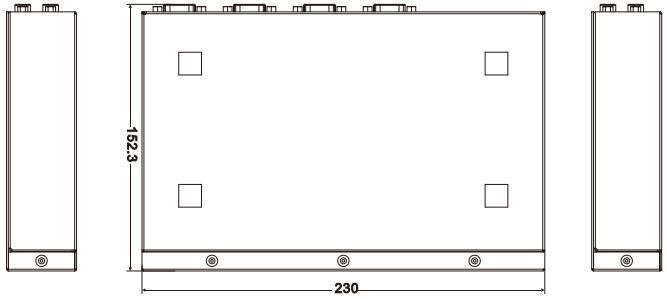


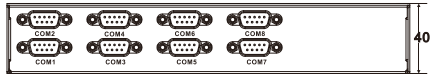
1. DC power input terminal block
2. B type USB female head interface
3. Serial port COM1-COM8 transmission data indicators
4. Serial port COM1-COM8 receiving data indicators
5. Power indicator
6. Serial port COM1-COM8

【Mounting Dimension】

Unit: mm







Notice before mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

Notice before power on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug,

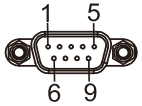
and then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】


DC

The device provides 1DC power adapter access port, and the power input is 9VDC. It is recommended to use a 9V power adapter with DC head specification with inner diameter of 2.5mm, outer diameter of 5.5mm and length of 11cm.

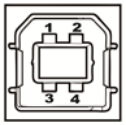
【Serial port】



The device provides 8 RS-485/422 serial ports, the interface adopts DB9 male head, and supports 15kV electrostatic protection and 2kVAC isolation protection. The pin definition is as follows:

PIN	1	2	3	4	5
RS-485	D-	D+	-	-	GND
RS-422	T-	T+	R+	R-	GND

【USB Interface】



The device provides 1 USB port, and the interface is a B-type USB female head. The pin definition is as follows:

PIN	1	2	3	4
Definition	VCC	D-	D+	GND

【Checking LED Indicator】

The monitoring working status of the LED indicator of the device can comprehensively simplify the solution of faults. The detailed status of each indicator is shown in the following table:

LED	Indicate	Description
PWR	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally
TX1-TX8	OFF	No data or abnormal data is being transmitted through serial port.
	ON	Serial port is transmitting data abnormally
	Blinking	Serial port is transmitting data
RX1-RX8	OFF	No data or abnormal data is being received through serial port.
	ON	Serial port is receiving data abnormally
	Blinking	Serial port is receiving data

【Specification】

Panel	
Serial Port	8 RS-485/422 serial ports, the interface is in the form of DB9 male head
USB interface	B type USB female head
Indicator	Serial port receiving indicator, serial port transmission indicator, power indicator
Power Supply	
Input power supply	9VDC
Access terminal block	DC round head
Power Consumption	
No-load	1.63W@9VDC
Full-load	2.13W@9VDC
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP30(metal shell)