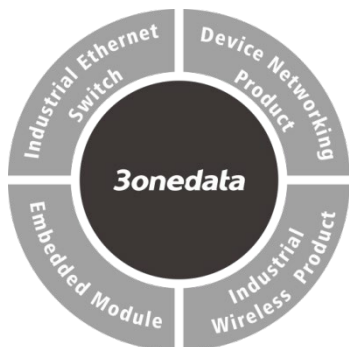


## USB232/485/422 Interface Converter Quick Installation Guide



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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. Quick installation guide                 |
| 3. CD                  | 4. Warranty card                            |
| 5. Certification       | 6. AM USB Head / AM USB Head Converter Line |

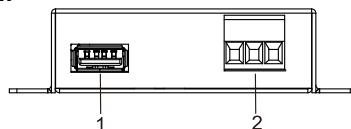
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

### 【Product Overview】

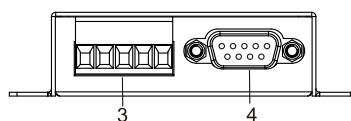
The product is a data exchange interface converter between USB and RS-232/485/422, model is USB232/485/422 (1 USB port +1 RS-485/422/232 serial port +1 9~48VDC power supply).

### 【Panel Design】

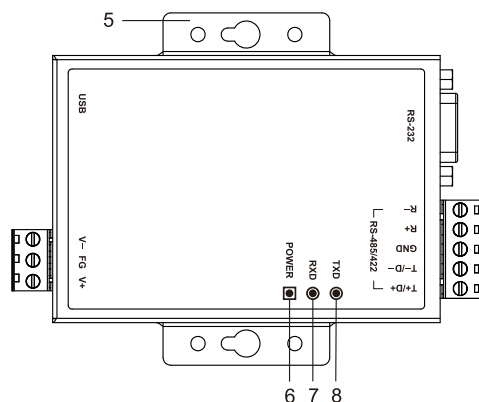
#### ➤ Left view



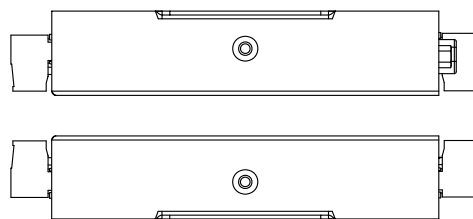
#### ➤ Right view



#### ➤ Top view



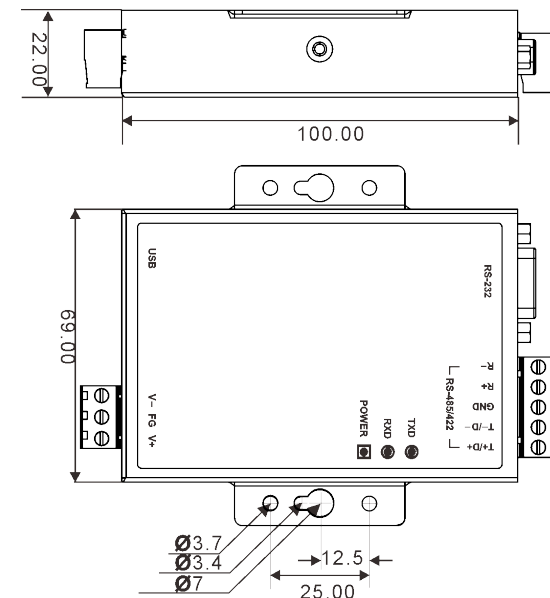
#### ➤ Front view, rear view



1. USB Type A female head interface
2. Power input (9~48V)
3. RS-485/422 terminal block
4. RS - 232 DB9 male head
5. Wall Mounting lug
6. Power indicator
7. Serial port receiving data indicators
8. Serial port transmission data indicators

### 【Mounting Dimension】

Unit: mm



#### Notice before mounting:

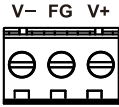
- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature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

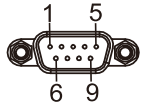
## 【Power Supply Connection】



External power supply and USB power supply are optional (both can also be simultaneously supplied). Power input provides 3-pin 5.08mm pitch terminal blocks, supports non-polarity and anti-reverse connection protection. The device can still work normally when inversely connected. Power supply range: 9~48VDC.

## 【Serial port】

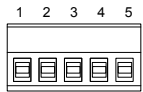
### ➤ RS-232



The device provides 1 RS-232 serial port, interface adopts DB9 male head, pin definition is as follows:

PIN	1	2	3	4	5
Definition	DCD	RXD	TXD	DTR	GND
PIN	6.	7.	8.	9.	
Definition	DSR	RTS	CTS	—	

### ➤ RS-485/422



The device provides 1 RS-485/422 serial port, the interface adopts 5-pin 5.08mm pitch terminal block, supports 2KVAC isolation protection, 8KV electrostatic protection. The pin definitions are shown as follows:

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

## 【USB Interface】



The device provides 1 USB port, the interface is A- type USB female head, and 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
TX	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
RX	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	
RS-232	1 RS-232 serial port, the interface is in the form of DB9 male head
RS-485/422	1 RS-485/422 serial port, interface adopts 5-pin 5.08mm pitch terminal blocks
USB interface	A-type USB female head
Indicator	Serial port receiving data indicator, serial port transmission data indicator, power indicator
Power Supply	
Input power supply	9~48VDC

Access terminal block	3-pin 5.08mm pitch terminal blocks
Power Consumption	
No-load	0.38W@24VDC
Full-load	0.41W@24VDC
Working Environment	
Working temperature	-40~85°C
Storage temperature	-40~85°C
Working humidity	5%~95% (no condensation)
Protection grade	IP30(metal shell)