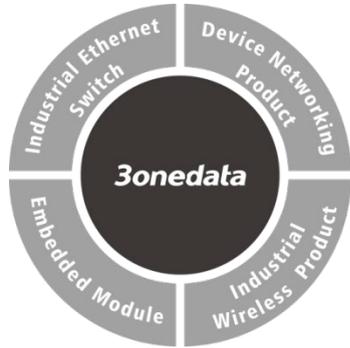


SW485GI Industrial RS-232/485/422 Interface Converter or RS-485/422 Relay (2-in-1) Quick Installation Guide



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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. DB9M to DB9F conversion line
3. Certification
4. Warranty card

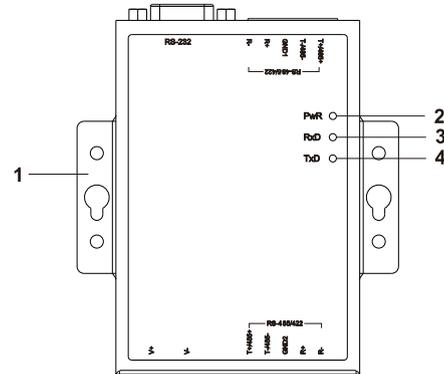
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

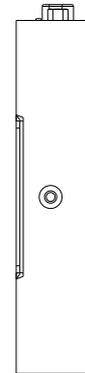
The product is a 2-in-1 device with the model of SW 485GI. As a RS-232/485/422 converter, it uses 1 RS-232 serial port + 1 RS-485/422 serial port. As a RS-485/422 relay, it uses 2 RS-485/422 serial ports.

【Panel Design】

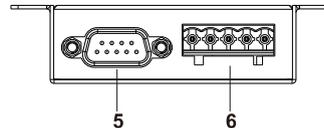
➤ Front View



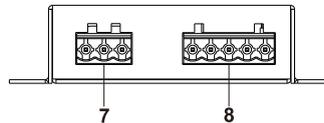
➤ Side view



➤ Top view



➤ Bottom view

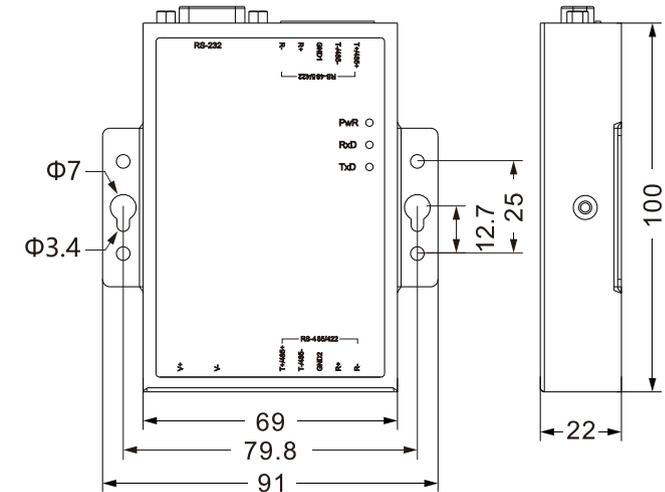


1. Lugs
2. Power input indicator
3. RS-485/422 receiving data indicators
4. RS-485/422 transmission data indicators
5. RS-232 DB9F interface
6. RS-485/422 5-pin terminal block 1

7. Power interface 3-pin terminal block
8. RS-485/422 5-pin terminal block 2

【Dimension】

Unit (mm)



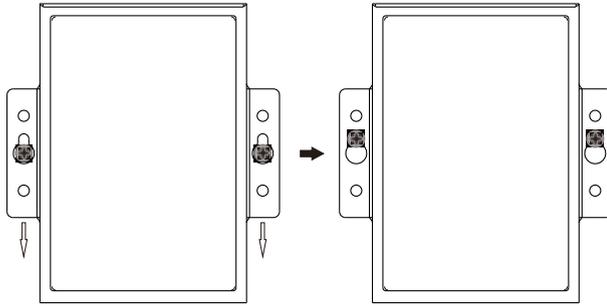
Notice before mounting:

- 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.

【Wall-mounted Device Mounting】

- Step 1 On the wall of device mounting, place the device on the wall for reference or refer to the mounting dimension to mark two screw positions.
- Step 2 Nail M4 screws on the wall and keep 2mm interspace reserved.
- Step 3 Hang the device on two screws and slide downward, then tighten the screw to enhance

stability, mounting ends.



【Wall-mounted Device Disassembling】

- Step 1 Device power off.
- Step 2 Unscrew the screw on the wall about 2mm.
- Step 3 Lift the device upward slightly; take out the device, disassembling ends.

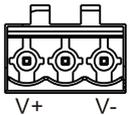


Notice before powering on:

- Power ON operation: First insert the power supply adapter into the device power supply interface, and then plug the power supply plug and power on.
- Power OFF operation: first, remove the power plug, and then remove the wiring section of the adapter. Please pay attention to the above operation sequence.

【Power Supply Connection】

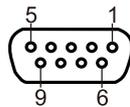
➤ DC power supply



Power interface adopts 3-pin 5.08mm pitch terminal block. Input voltage: 12~36VDC.

【Serial Port Connection】

➤ RS-232 DB9 interface

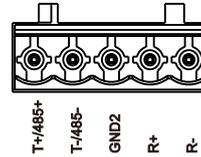
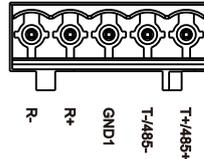


This product provides an RS232 DB9 interface, interface type is RS232 DB9. The pin definitions as shown in the following table:

PIN	1	2	3	4	5	6	7	8	9
RS-232	-	TXD	RXD	-	GND	-	-	-	-

➤ RS-485/422 5-pin terminal block

The product provides 2 RS-485/422 interfaces with 5-pin 5.08mm pitch terminal block. When the device is used as the RS-485/422 relay, one interface is the proximal interface and the other is the remote interface.



The pin definitions as shown in the following table:

T+/485+	RS-422 sends positive, or RS-485 sends positive
T-/485-	Rs-422 sends negative, or RS-485 sends negative
GND1	Signal ground 1 (proximal end)
GND2	Signal ground 2 (remote end)
R+	RS-422 receive positive
R-	RS-422 receive negative



Note:

The device cannot be used as a signal converter and relay at the same time, users have to choose between the two.

- When used as a RS-485/422 relay, the local device is connected to RS-485/422 terminal 1 (corresponding to GND1), and the remote device is connected to RS-485/422 terminal 2 (corresponding to GND2).
- When used as an RS-232/485/422 interface converter, use the RS-485/422 terminal 2 (the corresponding ground is GND2).

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the

table as below:

LED	Indicate	Description
PWR	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally
RXD	ON	RS-485/422 is receiving data.
	OFF	RS-485/422 has no received data
TXD	ON	RS-485/422 is transmitting data
	OFF	RS-485/422 is not transmitting data or transmitting data abnormally

【Specification】

Panel	
RS-232	DB9 interface, female hole type
RS-485/422	5-pin terminal block, with 5.08mm pitch
Indicator	Power indicator, serial port transmission and receiving data indicator
Power Supply	
Input power supply	12~36VDC
Access terminal block	3-pin terminal block, with 5.08mm pitch
Power Consumption	
Static power consumption	≤150mA
Dynamic power consumption (average value)	≤30mA
Working Environment	
Working temperature	-10~75℃
Storage temperature	-40~75℃

Working humidity	5%~95% (no condensation)
Physical Characteristics	
Protection grade	IP30(metal shell)
Size (L×W×H)	100mm×69mm×22mm
Weight	170g
Mounting	Wall Mounting