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SW485WA
Interface Converter
Quick Installation Guide

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Industrial Ethernet Switch · Device Networking Product · Embedded Module · Industrial Wireless Product
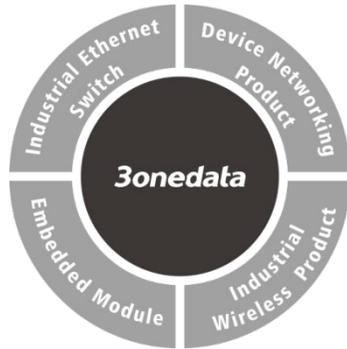
3onedata Co., Ltd.

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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 Certification 4 Warranty card
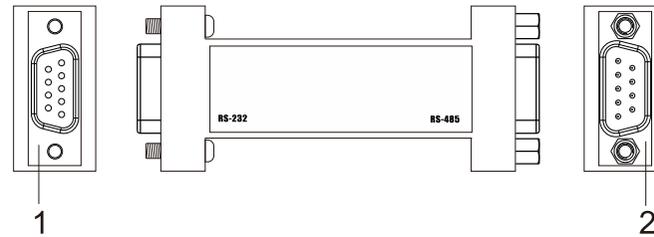5 DB9 female head to 3-pin terminal block converter

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 mini passive RS-232 to RS-485 interface converter. The model is SW485WA (1 RS-232 + 1 RS-485).

【Panel Design】

➢ **Front view and side view**

RS-232   RS-485

1   2

➢ **Top view**

1.   RS-232 serial port DB9 Female
2.   RS-485 serial port DB9 Male

【Mounting Dimension】

Unit: mm

Dimension (W x H x D): 82mm×33mm×16.5mm

【RS-232 Serial Port】

The RS-232 serial port of the interface converter adopts DB9 female connection mode, and the pin is defined as follows:

Pin No.	2	3	5
PIN definition	TXD	RXD	GND

【RS-485 serial port】

The RS-485 serial port of the interface converter adopts DB9 male connection mode, additionally equipped with DB9 female head to 3-pin terminal block, and the pin is defined as follows:

Pin No.	1	2	5
PIN definition	D-	D+	GND

Notes:

The pin definition of RS-485 terminal is subject to the silk screen of the case.

【Specification】

Standard	
Standard	EIA RS-232C，RS-485
Interface	
RS-232 serial port	DB9 female head
RS-485 serial port	DB9 male head，equipped with DB9 female head to 3-pin terminal block converter
Transmission distance:	
RS-232	15m
RS-485	1200m
Power supply	
Input power supply	No external power supply is required, power is taken from the RS-232 serial port
Power Consumption	
Static power	≤20mA
Dynamic power	≤50mA
Working Environment	
Working temperature	-40~80℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)