3onedata
Make network communication more reliable

SW485C
Industrial Interface Converter
Quick Installation Guide

3onedata Co., Ltd.

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

Website: www.3onedata.com

Tel: +86 0755-26702688

Fax: +86 0755-26703485

【Package Checklist】

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

1 Interface converter 2 5-pin terminal block

3 Warranty card 4 Certification

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 industrial passive RS-232 to RS-485/422 interface converter with high sensitivity. The model is SW485C (1 RS-232 + 1 RS-485/422).

【Panel Design】

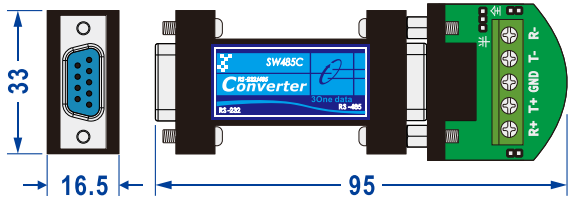
➢ **Front view and side view**



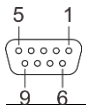
1. RS-232 serial port DB9 Female
2. RS-485/422 terminal block

【Mounting Dimension】

Unit: mm



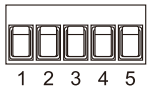
【RS-232 Serial Port】



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	RXD	TXD	GND

【RS-485/422 Serial Port】



The RS-485/422 serial port of the interface converter adopts a 5-pin 5.08mm pitch terminal block, and pins 1-5 are defined as follows:

PIN	1	2	3	4	5
RS-422 (3-pin jumper wire short-circuited on the side of "full", pins a-b)	R+	T+	GND	T-	R-
RS-485 (3-pin jumper wire short-circuited on the side of "half", pins b-c)	485+			485-	

Note:

- Short GH, pin R+/T+ is RS-485+;
- Short EF, pin R-/T- is RS-485-。

【Specification】

Standard	
Standard	EIA RS-232C, RS-485, RS-422
Interface	
RS-232 serial port	DB9 female head
RS-485 serial port	5-pin terminal block
Transmission Speed	
Baud Rate	0~115200bps
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 consumption	≤10mA
Dynamic power consumption	≤40mA
Working Environment	
Working temperature	-40~80℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)



The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users' cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.