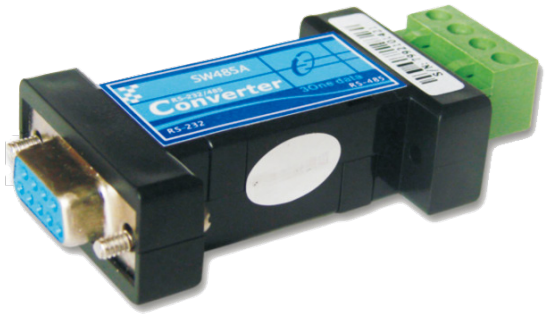
3onedata
Reliable Connections



SW485A

Passive Pocket RS-232 to RS-485 Interface Converter with High Sensitivity

- Support bidirectional data conversion between 1 RS-232 serial port and 1 RS-485 serial port
- Serial port has high sensitivity of receiving
- Unique port-power technology, no need for external power supply
- Low power consumption, equal to that of normal light-emitting diodes in static operation, can be truly called passive
- Automatic serial port signal rate detection , zero-delay automatic forwarding
- Serial port provides 600W surge protection and 15kV electrostatic protection
- Support -40～80℃ wide operating temperature range

Introduction

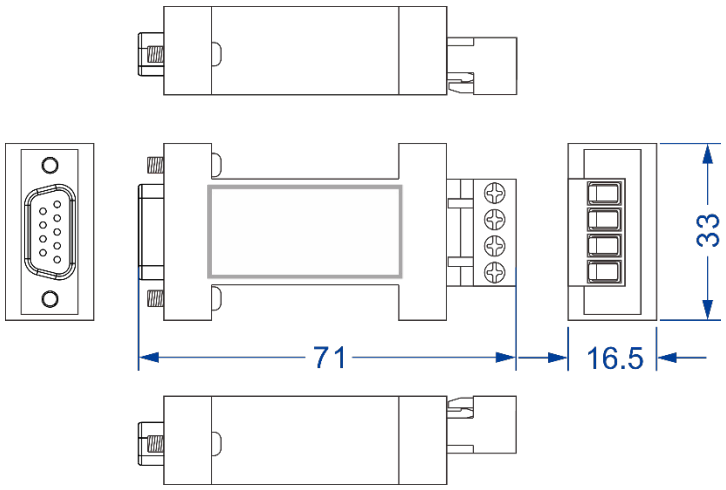
SW485A is an industrial-grade pocket RS-232 to RS-485 interface converter with high sensitivity, which can implement bidirectional data conversion between serial port RS-232 and RS-485 and need no external power supply. It provides a RS-232 and a RS-485 serial port equipped with 600W surge protection and 15kV electrostatic protection, which can effectively prevent device from being damaged.

The RS-232 port of SW485A adopts hole-type DB9 interface, which could connect to PC directly and obtain power from PC serial port via TXD, RTS and DTR signal line. SW485A can obtain enough power from those data/handshake signals regardless of whether the signal is high or low.

The design index of SW485A fully complies with the requirements of industrial standard. It's receiving sensibility ranks top among its kind, which particularly suits for industrial system with requirement in fast collecting speed and large amount of data.

Dimension

Unit:mm

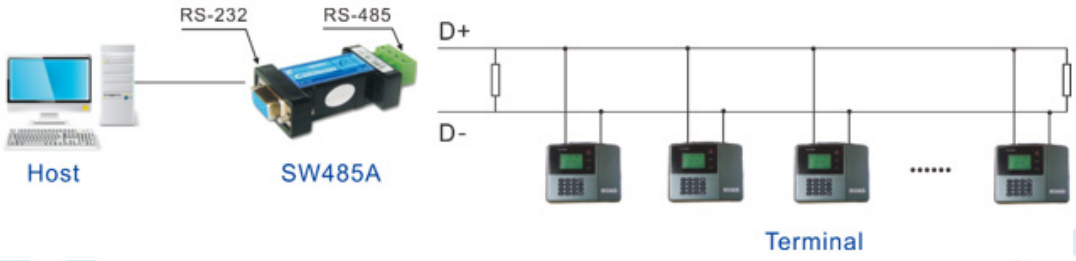


Specification

Serial Port	Standard: EIA RS-232C, RS-485 Serial port quantity: 1 RS-232 serial port, 1 RS-485 serial port RS-232 signal: TXD, RXD, GND RS-485 signal: D+, D-, GND Interface type: RS-232 serial port, adopts DB9, Female;

	RS-485 serial port, adopts 4-pin 5.08mm pitch terminal blocks Transmission distance: RS-232 serial port, 15m; RS-485 serial port, 1200m Direction control: RS-485 adopts automatic data flow control technology which can detect and control data transmission direction automatically Load capacity: RS-485 supports 32-point polling environment (128-point could be customized) Interface protection: 600W surge protection, 15kV electrostatic protection
Power Requirement	No power supply; Obtain power from TXD, RTS, DTR signals of RS-232 serial port
Power Consumption	Static power consumption: ≤10mA Dynamic power consumption(mean): ≤40mA
Environmental Limit	Operating temperature: -40~80℃ Storage temperature: -40~85℃ Relative humidity: 5%~95% (no condensation)
Physical Characteristic	Housing: plastic Dimension (W x H x D): 71mm×33mm×16.5mm Weight: 30g
Certification	CE, FCC, RoHS
Warranty	3 years

Typiacal Application



Ordering Information

Available Models	RS-232	RS-485	Power Supply
SW485A	1	1	No

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◄ Please scan our QR code for more details

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