3onedata
Reliable Connections



MODEL485P

Wall Mounting

RS-232 to RS-485/422 Interface Converter

- Support bidirectional data conversion between 1 RS-232 serial port and 1 RS-485/422 serial port
- Unique serial port self-adaption technology, which can identify RS-485/RS-422 serial port automatically without setting the switch
- RS-485/422 port adopts independent external power supply, and provides 2500V photoelectric isolation protection
- Adopt pre-emphasis technology, the communication distance of RS-485 is up to 1800m (115200bps)
- Serial port provides 1500W surge protection and 15kV electrostatic protection
- RS-485/422 port provides optional connection ways, including RJ45, DB9M and 5-pin terminal blocks

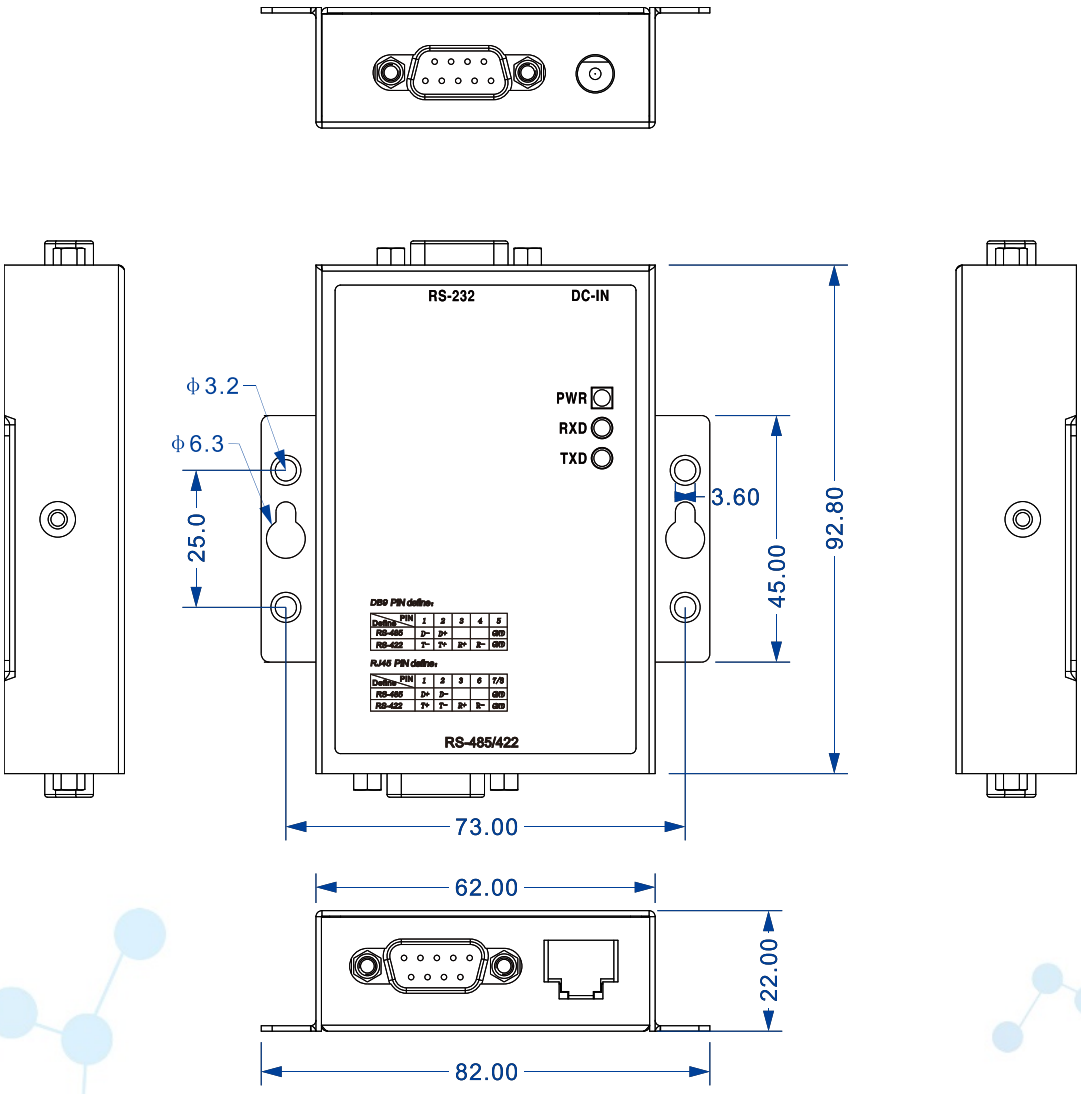
Introduction

MODEL485P is a RS-232 to RS-485/422 interface converter that can achieve bidirectional conversion between RS-232 and RS-485/422. It provides 1 RS-232 serial port and 1 RS-485/422 serial port. The RS-485/422 supports serial port self-adaption technology that can identify RS-485/422 serial port automatically without the need of setting the switch. Serial ports are equipped with 1500W surge protection, 15kV electrostatic protection and 2500V photoelectric isolation protection, which can effectively avoid surge and lightning strike. The device also adopts wall mounting, which can meet the requirements of different scenes.

Hardware adopts fanless, low power consumption, wide temperature and voltage design. It can be wildly used in indoor and outdoor system like attendance, entrance guard, cloud platform control, food selling and parking lot, etc.

Dimension

Unit:mm



Specification

Serial Port	Standard: EIA RS-232C, RS-485, RS-422 Serial port quantity: 1 RS-232 serial port, 1 RS-485/422 serial port RS-232 signal: TXD, RXD, GND RS-485 signal: 485+, 485-, GND RS-422 signal: T+, T-, R+, R-, GND Baud rate: 110bps~115200bps Data bit: 8bit Stop bit: 1bit, 1.5bit, 2bit Check bit: None, Odd, Even, Mask, Space Interface type: RS-232 serial port, adopts DB9, Female; RS-485/422 serial port, adopt 5-pin 5.08mm pitch terminal blocks, DB9 Male or RJ45 Transmission distance: RS-232 serial port, 15m; RS-485/422 serial port, 1800m (115200bps) 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: 1500W surge protection, 15kV electrostatic protection Photoelectric isolation: 2500V
LED Indicator	Power supply indicator, serial port data sending/receiving indicator
Power Requirement	9VDC, DC round head RS-232 port obtains power from the TXD, RTS, DTR signal of RS-232
Power Consumption	Static power consumption: ≤70mA Dynamic power consumption (mean): ≤200mA
Environmental Limit	Operating temperature: -20~75℃ Storage temperature: -25~85℃ Relative humidity: 5%~95%(no condensation)
Physical Characteristic	Housing: metal, IP30 protection Installation: wall mounting Dimension (W x H x D): 62mm×22mm×92.8mm (exclude lugs) Weight: 200g

Certification	CE, FCC, RoHS
Warranty	3 years

Ordering Information

Available Models	RS-232	RS-485/422	Power Supply
MODEL485P	1	1	9VDC

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