

USB485I

USB TO RS-232/485/422 isolation converter

Feature

1. Convert USB to 1 RS-232 or RS-485 or RS-422
2. Low CPU occupation rate, steadily performance
3. RS-485/422 can establish at most 32 nodes
4. RS-485/422 transmit distance can reach up to 1200m
5. Serial port support 2KVAC isolation protect
6. Auto sense serial signal rate, band rate: 300~115200bps
7. Industrial grade design, IP30 degree of protection
8. No fan, low consumption design
9. Plug and play, 9-48VDC external power supply or USB power supply or both of them
10. Storage temperature: -40°C~85°C; Humidity: Relative humidity 5% to 95%



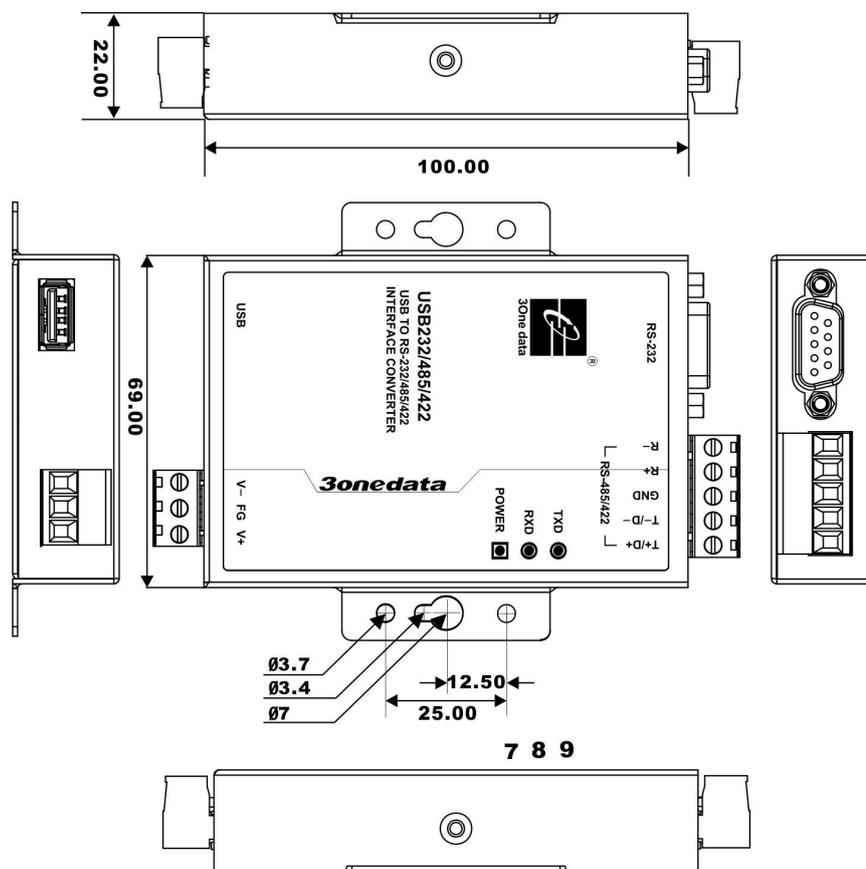
Introduction

USB485I is kind of industrial USB to RS-232/485/422 converter, plug and play, 9-48VDC external power supply or USB power supply or both of them, it support DIN-Rail and wall mounting installation,

can support latest operation system, wide working temperature, 2KVAC isolation protect, easy using for your projects.

Dimension and appearance

Unit (mm)



Specification

Communication parameter:

Serial No.: 1 RS-232/485/422
 USB signal: VCC, D+,D-,GND
 RS-485 signal: D+, D-
 RS-422 signal: T+, T-, R+, R-
 RS-232 signal: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
 Parity: None, Even, Odd, Space, Mark
 Data bites: 7bit, 8bit
 Stop bites: 1bit, 2bit
 Band rate: 300bps~115200bps
 Flow control: Data direction auto-turnaround, no flow control is required
 Loading: RS-485/422 side 32 nodes
 Transfer distance: RS-485/422 side 1200m, RS-232 side 15m, USB side: 5m

Interface

USB port: USB A type female
 RS-232: DB9 male
 RS-485/422: 5 bits 5.08mm terminal block
 Serial protection: RS-485/422: 2KVAC isolation protection, 8KV static protection
 Power supply: 8KV static protection

LED indicator

Power indicator: PWR

Serial send data indicator: TX

Serial receive data indicator: RX

Power supply

Input voltage: 12VDC (9~48VDC)
 No-load power consumption: 0.348W@12VDC
 Full-load power consumption: 0.384W@12VDC

Mechanical:

Shell: IP30 degree of protection, metal shell
 Weight: 226g
 Dimension(L*W*H): 100mm×69mm×22mm

Working environment

Working temperature: -40~85℃
 Storage temperature: -40~85℃
 Humidity: relative 5%~95%(non-condensing)

Standard

EMS: EN61000-4-2 (ESD), Level 2
 Shock: IEC 60068-2-27
 Free fall: IEC 60068-2-32
 Vibration: IEC 60068-2-6

Warranty

Warranty time: 5 years

Certification

CE, FCC, RoHS, UL508(pending)

Ordering information

Model	Port		Power supply
Standard model(-40~85℃)	USB port	Serial port (RS-232/485/422)	9~48VDC
USB232/485/422	1	1	