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

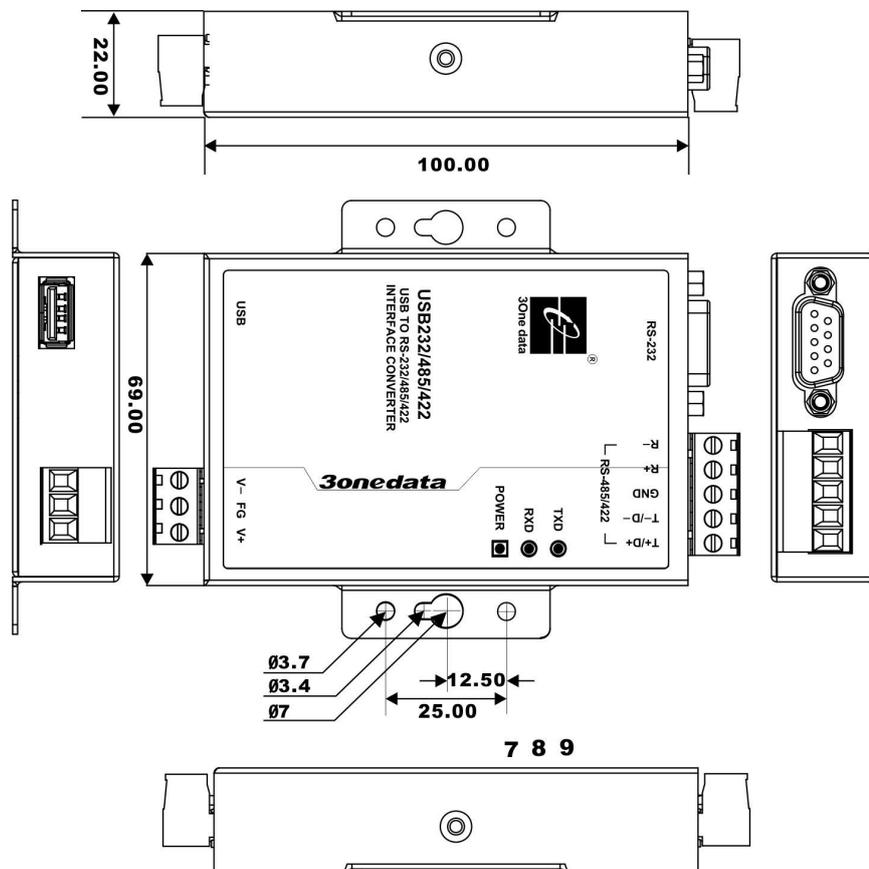10. Storage temperature: -40℃～85℃; Humidity: Relative humidity 5% to 95%

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