

# 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%



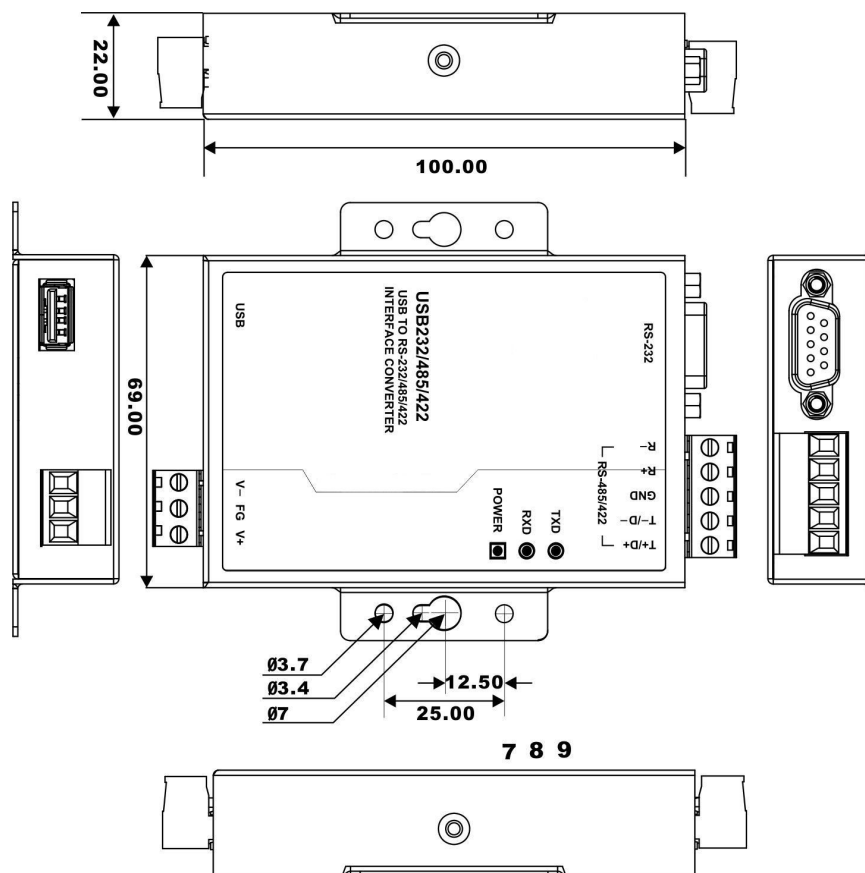
### Introduction

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: 3 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	