3onedata
Reliable Connections



USB4232

Desktop Mounting

USB to 4 RS-232 Interface Converter

- Supports bilateral switching of data between 1 USB interface and 4 RS-232 serial ports
- Low CPU utilization during usage, stable performance
- Autotunning of serial port signal rate, baud rate of serial port 300bps~115200bps
- Serial port supports 1500W surge protection, 15kV electrostatic protection
- Supports optional 5VDC power supply input or USB power supply (USB and external 5VDC power supply can supply electricity simultaneously)
- Supports -20~60℃ wide temperature operation

Introduction

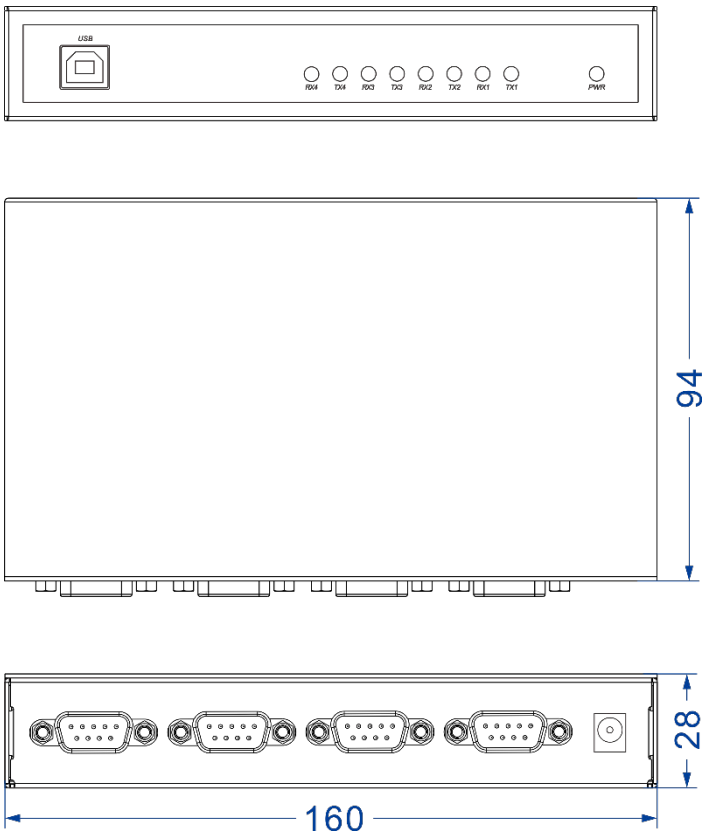
USB4232 is a USB to RS-232 interface converter, which can achieve bilateral switching of data between USB interface and 4 RS-232 serial ports. The product supports 1 USB interface and 4 RS-232 serial ports. Serial port is equipped with 1500W surge protection and 15kV electrostatic protection, which can effectively protect the device from damage. It adopts desktop mounting to meet the requirements of different application fields.

The product provides matched driver program software; USB interface connected to PC will make up a serial COM port in the computer system. PC host can communicate with RS-232 serial device via virtual COM port.

Hardware adopts fanless, low power consumption, wide temperature design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in PLC, Industrial Automatic Control, IC Card Toll Collection System, and Data Acquisition Control System, etc.

Dimension

Unit:mm

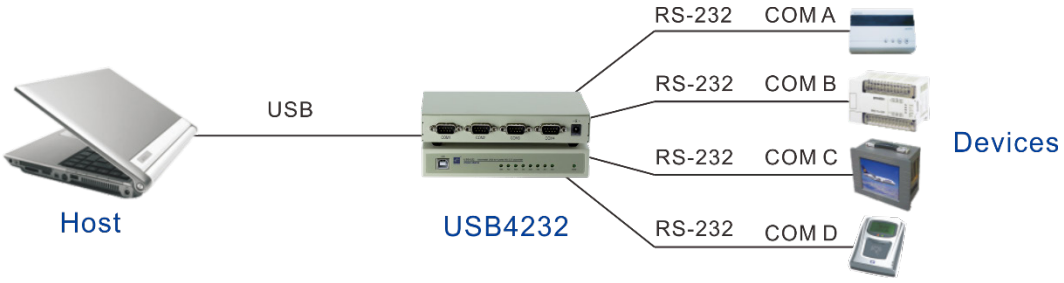


Specification

Serial Port	Standard: EIA RS-232C Quantity of serial port: 4 RS-232 serial ports RS-232 signal: RXD, TXD, DTR, GND, DSR, RST, CTS Baud rate: 300bps~115200bps Data bit: 7bit, 8bit Stop bit: 1bit, 2bit Parity bit: None, Even, Odd, Space, Mark Flow control: RTS/CTS, XON/XOFF Interface form: DB9, Male Transmission distance: 15m Interface protection: 1500W surge protection, 15kV electrostatic protection
USB	Standard: USB 1.1, USB 2.0 Quantity of interfaces: 1 USB interface USB signal: VCC, DATA+, DATA-, GND Transmission rate: high speed 480Mbps, full speed 12Mbps Interface form: USB B-type socket, Female Transmission distance: 5m
Operating System	Windows 98/ME/2000/XP/Server 2003/Server 2008/7/Vista, Linux, MAC OS-X
Indicator	Power supply indicator, serial port data sending/receiving indicator
Power Requirements	Supports optional USB interface power supply or external 5VDC power supply, both can supply electricity simultaneously; Thereinto, 5VDC power supply adopts DC round head, external circle is negative pole, and inner core is positive pole
Power Consumption	300mA
Environmental Limits	Operating temperature: -20~60℃ Storage temperature: -40~85℃ Relative humidity: 5%~95% (no condensation)
Physical Characteristics	Housing: metal, IP30 protection grade Installation: desktop mounting Dimension (W x H x D): 160mm×28mm×94mm Weight: 500g

Certifications	CE, FCC, RoHS
Warranty	3 years

Typical Application



Ordering Information

Available Models	USB	RS-232	Power Supply Range
USB4232	1	4	5VDC or USB power supply

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485
E-mail: ics@3onedata.com
Website: www.3onedata.com

◄ Please scan our QR code for more details

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.