



USB8232I

Desktop Mounting

USB to 8 RS-232 Isolated Interface Converter

- Supports bilateral switching of data between 1 USB interface and 8 RS-232 serial ports
- Low CPU utilization during usage, stable performance
- Autotuning of serial port signal rate, baud rate of serial port 300bps~115200bps
- Serial port supports 15kV electrostatic protection, 1.5kV isolation protection
- Supports 9VDC power supply input
- Supports -40 ~ 75°C wide temperature operation



Introduction

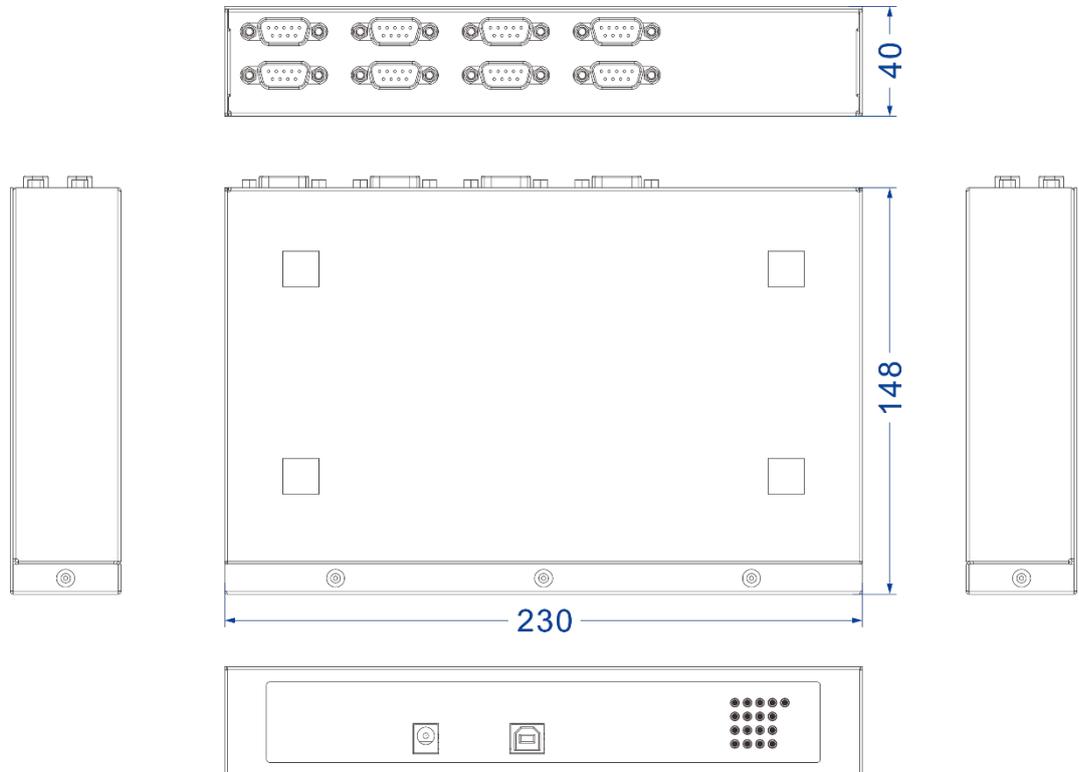
USB8232I is a USB to RS-232 isolated interface converter, which can achieve bilateral switching of data between USB interface and 8 RS-232 serial ports. The product supports 1 USB interface and 8 RS-232 serial ports. Serial port is equipped with 15kV electrostatic protection and 1.5kV isolation protection, 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 simultaneously communicate with 8 RS-232 serial devices 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

<p>Serial Port</p>	<p>Standard: EIA RS-232C Quantity of serial port: 8 RS-232 serial ports RS-232 signal: DCD, RXD, TXD, DTR, GND, DSR, RST, CTS, RI Baud rate: 300bps~115200bps Data bit: 7bit, 8bit Stop bit: 1bit, 2bit Parity bit: None, Even, Odd, Space, Mark Interface form: DB9, Male Transmission distance: 15m Interface protection: 15kV electrostatic protection, 1.5kV isolation protection</p>
<p>USB</p>	<p>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</p>
<p>Operating System</p>	<p>Windows 2000/XP/Server 2003/Server 2008/Vista, Windows XP embedded, Windows CE 4.2/5.0/5.2/6.0, Linux (above version 2.4), MAC OS-X</p>
<p>Indicator</p>	<p>Power supply indicator, serial port data sending/receiving indicator</p>
<p>Power Requirements</p>	<p>9VDC, adopts DC round head</p>
<p>Power Consumption</p>	<p>No-load: 2.86W@9VDC Full-load: 2.88W@9VDC</p>
<p>Environmental Limits</p>	<p>Operating temperature: -40~75℃ Storage temperature: -40~85℃ Relative humidity: 5% ~ 95% (no condensation)</p>
<p>Physical Characteristics</p>	<p>Housing: metal, IP30 protection grade Installation: desktop mounting Dimension (W x H x D): 230mm×40mm×148mm Weight: 1kg</p>
<p>Certifications</p>	<p>CE, FCC, RoHS</p>
<p>Industrial Standards</p>	<p>IEC 61000-4-2 (ESD, Electrostatic discharge), Level 4</p>

Your Reliable Industrial Communication Expert

- Air discharge: $\pm 15\text{kV}$
- Contact discharge: $\pm 8\text{kV}$

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

3 years



Ordering Information

Available Models	USB	RS-232	Power Supply Range
USB8232I	1	8	9VDC



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