

■ JetCon 1102

USB to 2-port RS-232 Serial Converter



- USB / RS-232 DTE and DCE Connection
- Fully RS-232C Signals, Hand-Shaking
- USB 1.1/1.2/2.0 compatible
- 2 x 921.6 Kbps High Speed RS-232 Serial ports
- 480Mbps USB Data Throughput
- 15KV Human Body ESD protection
- -30~75°C wide operating temperature

■ Overview

As digital technology advances and light-weight design requirements, more and more computer equipment does not support the traditional communication interface and change to USB (Universal Serial Bus technology) interface. The USB technology simplifies digital system design and support more number of communication interfaces, but also erected fences to

traditional equipment isolation. Will challenge many automatic system integrators to inject more benefits on the integration of new and traditional communication interface. But, through the JetCon 1102 USB to Serial RS-232 Converter, system integrator capable to reduce the risks, and make integration becomes easy and simply.

■ Fully Function USB/ RS-232C Serial Converter

The JetCon 1102 supports USB 2.0 interface and two ports RS-232C serial interfaces with 921.6Kbps throughput. It provides fully flow control function enabled to connects Data Communication Equipment, like as PSTN modem, or Programmable Logic Control device which needs flow control. With the Full Speed 480Mbps

USB Data rate, it ensured the performance of serial ports with USB interface, and also provides 4Kbytes serial data buffer for both TX and RX per serial channel.

The serial interface supports fully communication parameters which can be configured by operating system- Windows, Macintosh and Linux systems.

Higher Electrical Magnetic Immunity

In some application environment, it is very sensitive for the electrical magnetic interference. The noise may conducted or emitted by power system or data signal system. The JetCon 1102 provides 15KV ESD protection on USB interface prevents Human Body Electrical Static Discharge.

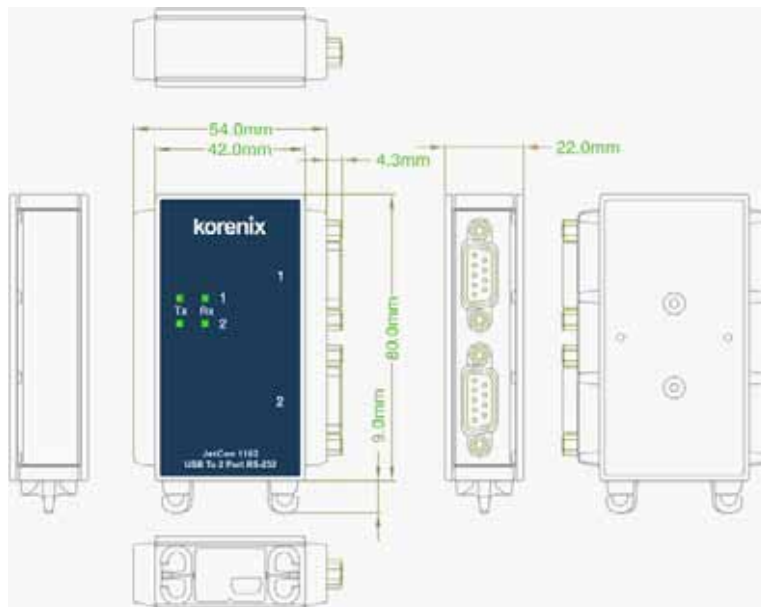


Applications

The JetCon 1102 allows user to extend the host computer's serial interface with more high speed physical serial port.



Dimensions (Unit = mm)



Specifications

Technology

Standard: EIA/TIA-232, RS-232 (ITU-T v.28)

System performance

Forwarding Rate:

USB 2.0 Slave with 480Mbps data throughput

RS-232 baud rate up to 921.6Kbps

FIFO Buffer: Transmit Buffer: 4KBytes

Receive Buffer: 4KBytes

Interface

Connector: USB: Mini USB slave , B-Type

Serial: DB-9, Female

Connection Distance: USB:5 Meters

RS-232 Serial: 15 Meters

Serial Parameters: Length of Data bit: 7, 8 bits

Stop bit:1,2

Type of parity check: None, Even, Odd, Space, Mark

Type of Flow Control: RTS/ CTS, XON/ XOFF

Serial Signal: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

System LED: TX Blinking (Green): Transmitting Data

RX Blinking (Amber): Receiving Data

Operating System Support

Windows: XP, 2003, Vista, 2008, Win 7

Macintosh: System 8, 9

Linux: 2.4, 2.6

Power Requirements

System Power: Obtain from USB Host interface

Power consumption: 0.57W, 5V/ 115mA (Max.)

Mechanical

Installation: DIN Rail mount

Case: Plastic Case with IP-30 protection

Dimension: 89mm(H) x 58.3mm (W) x 22mm (D)

Weight: 0.235kg with package

Environmental

Operating Temperature: -30°C~75°C

Operating Humidity: 0% ~ 90% non-condensing

Storage Temperature: -40°C~ 80°C

Storage Humidity: 0%~ 95%, non-condensing

Regulatory Approvals

EMC: CE, FCC

MTBF: 284,000 Hours ,MIL-HDBK-217F

Warranty: 3 Years

Ordering Information

Art. No. 130550 JetCon 1102 USB to 2 Ports RS-232C Serial Converter, -30~75°C

Includes:

- JetCon 1102
- DIN rail kit
- USB Mini B Type to USB A type Cable 100cm x 1
- Quick Installation Guide
- Driver CD