

# Delock Converter USB 2.0 > Serial RS-232 5 kV Isolation

## Description

This USB 2.0 to serial RS-232 converter by Delock offers an RS-232 connection for measuring devices, POS systems, printers, modems, IoT devices etc. The galvanic isolation prevents data transmission errors with uneven earthing potentials, ground loops or voltage spikes. The converter is suitable for DIN rail mounting.



-30°C  +75°C

## Galvanic isolation

The galvanic isolation (5 kV) is done with optical isolators.

**Item no. 62502**

EAN: 4043619625024

Country of origin: Taiwan,  
Republic of China

Package: Box

## Technical details

- Connector:  
Host: 1 x Mini USB 2.0 B female  
Device: 1 x D-Sub 9 pin Serial RS-232 male
- Chipset: FTDI
- Data transfer rate up to 1 Mb/s
- LED indicators for status TX / RX
- 5 kV optical isolation
- ± 15 kV ESD protection for all signal pins
- Power consumption: 70 mA / 350 mW
- Power supply via USB (Bus-Powered)
- Operating temperature: - 30° ~ 75° C
- Storage temperature: - 40° ~ 85° C
- Relative humidity: 5 ~ 95 % (not condensing)
- Housing: plastic
- Dimension (LxWxH): ca. 93 x 42 x 22 mm

## System requirements

- Windows XP/XP-64/Vista/Vista-64/7/7-64/8/8-64/10/10-64/11, Mac OS 10.5, Linux Kernel 2.6
- PC or notebook with one free USB port

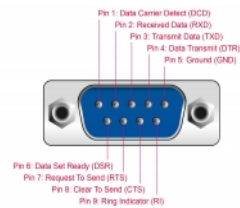
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## Package content

- Converter
- USB 2.0 cable, length: ca. 1 m
- Mounting set for DIN rail
- Driver CD
- User manual

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## Images



## General

Function:	Plug & Play
Mounting type:	DIN rail mounting: 35 mm
Specification:	RS-232 (EIA / TIA) USB 2.0
Supported operating system:	Linux Kernel 2.6 or above Mac OS 10.14.1 or above Windows 10 32-Bit Windows 10 64-Bit Windows 7 32-Bit Windows 7 64-Bit Windows 8.1 32-Bit Windows 8.1 64-Bit Windows Server 2012 R2 Windows Server 2012 Windows Server 2016
LED indicator:	RX / TX
Protection:	ESD (Electrostatic Discharge) Galvanische Trennung

## Interface

Connector 1:	1 x USB 2.0 Type Mini-B female
Connector 2:	1 x Serial RS-232 DB9 male

## Technical characteristics

Chipset:	FTDI 232R
Data transfer rate:	up to 921.6 Kbps
Operating temperature:	-30 °C ~ 75 °C
Humidity:	5 ~ 95 %
Signal transmission:	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND

Data transmission:	asynchronous full duplex Bi-directional
Voltage:	USB Bus powered (no additional power supply required)
Current consumption:	< 100 mA
UART:	USB to serial UART

### Physical characteristics

Housing colour:	black
Housing material:	Plastic
Pin finishing:	gold-plated
Screw type:	#4-40 UNC
Length:	93 mm
Width:	42 mm
Height:	22 mm
Overvoltage protection:	±15 kV ESD Human Body Model (HBM) ±15 kV EN / IEC61000-4-2 Air Gap Discharge
Insulator:	5 kV
LED colour:	green yellow