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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.

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

-30°C 🔵🔴 +75°C

Specification

• Connector:
 Host: 1 x Mini USB 2.0 B female
 Device: 1 x Sub-D 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, Mac OS 10.5,
 Linux Kernel 2.6
• PC or notebook with one free USB port

Package content

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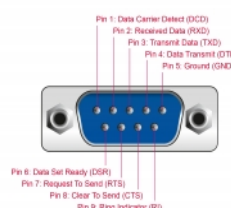• Driver CD
• User manual

Item no. 62502

EAN: 4043619625024

Country of origin: Taiwan, Republic of China

Package: Box

Adapter

Images

Pin 1: Data Carrier Detect (DCD)
Pin 2: Received Data (RXD)
Pin 3: Transmit Data (TXD)
Pin 4: Data Transmit (DTR)
Pin 5: Ground (GND)
Pin 6: Data Set Ready (DSR)
Pin 7: Request To Send (RTS)
Pin 8: Clear To Send (CTS)
Pin 9: Ring Indicator (RI)

General	
Function:	Plug & Play
Mounting type:	DIN rail mounting: 35 mm
Specification:	RS-232 (EIA / TIA)
	USB 2.0
Supported operating system:	Windows 7 32-bit
	Windows 7 64-bit
	Windows 8.1 32-bit
	Windows 8.1 64-bit
	Windows 10 32-bit
	Windows 10 64-bit
	Windows Server 2012 R2
	Windows Server 2012
	Windows Server 2016
	Linux Kernel 2.6 or above
	Mac OS 10.14.1 or above
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
Support:	Modbus

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 IEC1000-4-2 Air Gap Discharge

Insulator:	3 kV
LED colour:	green
	yellow