Delock Converter USB 2.0 > Serial RS-422/485 with 3 kV Isolation

Description

This USB 2.0 to serial RS-422/485 converter by Delock offers an RS-422/485 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 (3 KV) is done with optical isolators.

-30°C ▭ +75°C

Item no. 62501

EAN: 4043619625017

Country of origin: Taiwan, Republic of China

Package: Box

Specification

- Connector:
  Host: 1 x Mini USB 2.0 B female
  Device: 1 x RS-422/485 Terminal Block 5 pin
- Data transfer rate up to 1 Mb/s
- 1 x DIP switch: RS-422/485 set operating mode
- LED indicators for status TX / RX
- 3 kV optical isolation
- ± 15 kV ESD protection for all signal pins
- Supports: RS-485 Echo Mode
- Terminalresistors ON/OFF
- Power consumption: 54 mA / 270 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. 101 x 42 x 22 mm

System requirements

- Windows XP/XP-64/Vista/Vista-64/7/7-64/8/8-64/8.1/8.1-6410/10-64/11, Server 2012/2012R2/2016, 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

Images

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General

Function:	Plug & Play
Mounting type:	DIN rail mounting: 35 mm
Specification:	RS-422 / RS-485 (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 Windows 11
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 5 pin terminal block

Technical characteristics

Chipset:	FTDI 232R
Data transfer rate:	up to 921.6 Kbps
Operating temperature:	-40 °C ~ 85 °C
Humidity:	5 ~ 95 %
Signal transmission:	Tx+, Tx-, Rx+, Rx-, GND

Data transmission:	asynchronous
	Bi-directional
	Half duplex
	full duplex
	differential
Voltage:	USB Bus powered (no additional power supply required)
Current consumption:	< 100 mA
UART:	USB to serial UART
Resistor:	Terminalresistor 120 Ω ON/OFF
Support:	Modbus
	RS-485 Echo Mode

Physical characteristics

Housing colour:	black
Housing material:	Plastic
Pin finishing:	gold-plated
Length:	101 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:	3 kV
LED colour:	green
	yellow