Delock USB 2.0 Adapter to 4 x Serial RS-422/485

Description

This adapter by Delock enables the connection of up to four serial devices via a USB Type-A port.



Item no. 87587

EAN: 4043619875870

Country of origin: China

Package: White Box

Specification

- Connectors:
  1 x USB 2.0 Type-B female >
  4 x serial RS-422/485 DB9 male
  1 x 5 V DC jack
- Chipset: FT4232HL, SP3078EE
- 4 x DIP switch: RS-422/485 operation setting
- Internal pin header: jumper switch terminator on / off
- Serial connector with nuts
- Data transfer rate up to 1 Mbps
- LED for indication of TxD / RxD activity
- Automatical recognition and switching between RS-422 and RS-485
- ±15 kV ESD protection on all signal pins
- Wall mounting integrated in the housing
- Current consumption:
  operation: ≤ 143 mA / 715 mW
  standby: ca. 92 mA / 460 mW
- Additional I/O and IRQ are not required
- DC jack for optional power supply
- Operating temperature: 0 °C ~ 70 °C
- Dimensions (LxWxH): ca. 172 x 65 x 23 mm

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Specification of power connector

- 5 V, ground outside, plus inside
- Dimensions:
  inside: ø ca. 2.1 mm
  outside: ø ca. 5.5 mm
  length: ca. 9.5 mm

System requirements

- Linux Kernel 2.6 or above
- Windows Server 2012/Server 2012 R2/Server 2016
- Windows Vista/Vista-64/7/7-64/8.1/8.1-64/10/10-64/11
- PC or laptop with a free USB Type-A port

Package content

- USB 2.0 to 4 x serial RS-422/485 adapter
- USB 2.0 cable
- 8 x jumper
- Driver CD
- User manual

Images







Pin	Transmission Signals		
	RS-422	4-Wire RS-485	2-Wire RS-485
1	Tx-	Tx-	D-
2	Tx+	Tx+	D+
3	Rx+	Rx+	
4	Rx-	Rx-	
5	GND	GND	GND

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General

Function:	Converter Programmable EEPROM
Mounting type:	Wall mounting
Specification:	RS-422 / RS-485 (EIA / TIA) UHCI/OHCI/EHCI
Supported operating system:	Linux Kernel 2.6 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 2016 Windows Server 2019 Windows 11
LED indicator:	4 x RXD 4 x TXD
Protection:	Failsafe protection for open, shorted or terminated lines
DIP Switches:	8 x

Interface

Connector 1:	1 x USB Type-B
Connector 2:	4 x Seriell DB9 Stecker mit Muttern

Technical characteristics

Chipset:	FTDI FT2232HL SP3078EE
Data transfer rate:	RS-422 / RS-485 up to1 Mbps
FIFO:	4 x 2 KByte RX 4 x 2 KByte TX
Impedance:	120 Ω

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Jumper:	8 x
Operating temperature:	0 °C ~ 70 °C
Maximum power consumption:	305 mW
Signal transmission:	Tx+, Tx-, Rx+, Rx-, GND
Data transmission:	asynchronous Bi-directional Half duplex full duplex differential
Voltage:	USB bus powered
UART:	USB to serial UART
Resistor:	Terminalresistor 120 Ω ON/OFF
Support:	256 Multidrop Nodes
Data bits:	7, 8

Physical characteristics

Ferrite core:	1 x
Housing material:	metal
Cable colour:	black
Length:	172 mm
Width:	65 mm
Height:	23 mm
Colour:	grey / white / blue
Overvoltage protection:	±8 kV EN / IEC 61000-4-2 Contact Discharge 15 kV RS-422 / RS-485

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