

Converter Ethernet LAN TCP/IP RJ45 to RS-485/RS-422 terminal block with surge protection

Description

The LAN Ethernet converter by Delock offers the possibility to integrate RS-485/RS-422 devices and fieldbuses into a LAN network. With its robust housing, the converter is suitable for DIN rail mounting and features reliable surge protection.

Settings on the TCP/IP Ethernet converter

The RS-485 and RS-422 operating modes and the terminating resistors are switched on or off via small switches on the device. Further setup can be conveniently done via the web browser or the included software.

RS-485 echo mode option

In mode RS-485 echo, the converter automatically sends the received data back. This allows you to check whether the sent data can actually reach its destination and has been received correctly.



Item no. 63003

EAN: 4043619630035

Country of origin: Taiwan, Republic of China

Package: Box

Special features

- The application software under Windows Server 2019, 2022, and 2025 can also be run as a Windows service.

Technical details

- Connectors:
 - 1 x RJ45 jack
 - Fast Ethernet up to 100 Mb/s
 - 1 x RS-422/485 Terminal Block 5 pin
 - 1 x 2 pin terminal power connector
- Supports Auto MDI-X (automatic detection of standard or crossover network cable)
- Supports Virtual COM Port, TCP Server/Client (device to device communication), UDP, HTTP, DHCP, static IP, ICMP, ARP
- RS-422 and RS-485 settings
 - 4 wire RS-422 mode
 - 2 wire RS-485 mode
 - 4 wire RS-422 und RS-485 mode
 - 2 wire RS-485 echo mode
- RS-422/485 termination resistor: 120 Ω

- Stop bits: 1, 2
- Databits: 7, 8
- Parity: even, odd, none, mark, space
- Data transfer rate up to 921.6 Kbps
- LED indicator: power and activity
- ±15 kV ESD protection on all signal pins
- Surge protection 600 W on all RS-485/RS-422 signal pins
- Reset button
- Power supply: 10 - 30 V DC
- Current consumption: ca. 105 mA @ 24.0 V
- 1 x mounting for 35 mm DIN rail
- Operating temperature: -35 °C ~ 65 °C
- Storage temperature: -40 °C ~ 85 °C
- Relative humidity: 5 - 95 % (non condensing)
- Housing: plastic
- Weight: ca. 90 g
- Dimensions (LxWxH): ca. 104 x 54 x 23 mm

Specification of power connector

- 1 x 2 pin terminal block

System requirements

- Windows 10/10-64/11
- Windows Server 2019/2022/2025

Package content

- Converter
- Bracket for DIN rail (mounting kit)
- Driver CD
- User manual

Images



General

Function:	Converter
Mounting type:	DIN rail mounting: 35 mm
Specification:	Ethernet RS-422 / RS-485 (EIA / TIA) TCP/IP
Supported operating system:	Windows 10 32-Bit Windows 10 64-Bit Windows Server 2012 R2 Windows Server 2012 Windows Server 2016 Windows Server 2019 Windows 11 Windows Server 2022 Windows Server 2025
LED indicator:	PWR / RXD / TXD
Protection:	ESD (Electrostatic Discharge) Surge Protection 600 W
DIP Switches:	4 x

Interface

Connector 1:	1 x RS-422 / RS-485
Connector 2:	1 x RJ45 jack
Connector 3:	1 x 2 pin terminal block female

Technical characteristics

Data transfer rate:	921.6 Kbps Ethernet up to 10 Mbps Fast Ethernet up to 100 Mbps
Impedance:	120 Ω
Storage temperature:	-40 °C ~ 85 °C
Operating temperature:	-20 °C ~ 65 °C

Humidity:	5 ~ 95 %
Signal transmission:	Tx+, Tx-, Rx+, Rx-, GND T/R+, T/R-, GND
Data transmission:	asynchronous full duplex Half duplex Bidirectional differential
Voltage supply:	10 V - 30 V
UART:	Ethernet-UART
Resistor:	Terminalresistor 120 Ω ON/OFF
Support:	Modbus RS-485 Echo Mode
Data bits:	7, 8
Stop bits:	1, 2

Physical characteristics

Housing colour:	black
Housing material:	Plastic PC
Weight:	90 g
Length:	94 mm
Width:	54 mm
Height:	34 mm
LED colour:	red green yellow

Manufacturer information

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