

# Delock Converter 1 x Serial RS-232 DB9 female to 1 x Serial RS-422/485 DB9 male with ESD protection 15 kV

## Description

This RS-232 to RS-422/485 converter by Delock is suitable for all serial devices, e.g. on machine controls, fieldbus systems, measuring instruments, computers, printers etc. The level converter can be used as a coupling directly between two DB9 connections without an additional power supply.



## Specification

- Connectors:  
1 x serial RS-232 DB9 female with screws  
1 x serial RS-422/485 DB9 male with nuts  
1 x RS-422/485 Terminal Block 5 pin
- Auto data flow control
- Plug & Play
- Data transfer: asynchronous, full duplex, half duplex
- Data transfer rate: 300 bps - 115.2 Kbps
- ±15 kV ESD protection for all serial signals
- Housing material: plastic
- Colour: beige
- Operating temperature: -25 °C ~ 70 °C
- Relative humidity: 5 - 95 % (non condensing)
- Dimensions (LxWxH):  
Converter: ca. 63 x 33 x 17 mm  
Terminal block: ca. 32 x 31 x 16 mm
- Bus Power from RS-232: TXD, RTS or DTR
- No external power supply needed

## System requirements

- Device with a free RS-232 port

## Package content

- Converter RS-232 to RS-422/485
- Terminal block

## Item no. 62920

EAN: 4043619629206

Country of origin: China

Package: Box



## Images



| Pin | RS-232                     | RS-422/485   | Terminal Block |
|-----|----------------------------|--------------|----------------|
| 1   | TXD (Data Carrier Detect)  | TXD (+)      | TXD (+)        |
| 2   | TXD (Transmit Data)        | TXD (-)      | TXD (-)        |
| 3   | RTS (Request to Send)      | NC           | NC             |
| 4   | DTR (Data Terminal Ready)  | NC           | NC             |
| 5   | Signal GND (Signal Ground) | Signal GND   | Signal GND     |
| 6   | Optional 5 V               | Optional 5 V | Optional 5 V   |
| 7   | NC                         | NC           | NC             |
| 8   | NC                         | NC           | NC             |
| 9   | NC                         | NC           | NC             |



| General                     |                                                   |
|-----------------------------|---------------------------------------------------|
| Function:                   | Plug & Play<br>Auto RTS Control                   |
| Specification:              | RS-232 (EIA / TIA)<br>RS-422 / RS-485 (EIA / TIA) |
| Supported operating system: | OS independent, no driver installation necessary  |
| Protection:                 | ESD (Electrostatic Discharge)                     |
| Interface                   |                                                   |
| Connector 1:                | 1 x Serial RS-232 DB9 female                      |
| Connector 2:                | 1 x Serial RS-422/485 DB9 male                    |
| Technical characteristics   |                                                   |
| Data transfer rate:         | 300 bps - 115.2 Kbps                              |
| Operating temperature:      | -25 °C ~ 70 °C                                    |
| Humidity:                   | 5 ~ 95 %                                          |
| Data transmission:          | asynchronous<br>half duplex<br>full duplex        |
| Voltage:                    | RS-232 Bus Power TXD, RTS or DTR                  |
| Physical characteristics    |                                                   |
| Housing material:           | Plastic                                           |
| Pin finishing:              | gold-plated                                       |
| Screw type:                 | #4-40 UNC                                         |
| Length:                     | 63 mm                                             |
| Width:                      | 33 mm                                             |
| Height:                     | 17 mm                                             |
| Overvoltage protection:     | ± 15 KV ESD Schutz Human Body Model (HBM)         |