

# Delock USB Type-C™ to Serial DB9 Adapter with 9 LED RS-232 Tester

## Description

This USB Type-C™ to serial DB9 adapter with RS-232 tester by Delock combines two functions in one device. The RS-232 interface provides a connection for serial printers, measuring devices, machines etc. In addition, the nine LEDs in the connector provide simultaneous information on the status of the RS-232 data and the USB voltage supply. The RS-232 tester can be used for troubleshooting and helps to analyze the serial control and data lines.



**Item no. 90414**

EAN: 4043619904143

Country of origin: Taiwan,  
Republic of China

Package: White Box

## Specification

- Connectors:
  - 1 x USB Type-C™ male
  - 1 x serial RS-232 DB9 male
- Serial connector with nuts
- Chipset: FTDI FT231XS
- Data transfer rate up to 460.8 Kbps
- FIFO: 512 Byte - RX
- FIFO: 512 Byte - TX
- Databits: 7, 8
- Stop bits: 1, 2
- Parity: even, odd, none, mark, space
- ±15 kV ESD protection for all serial signals
- Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
- LED indicator: 9 x bicolour, red (V+), green (V-)
  - TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, USB-PWR
- Operating temperature: -40 °C ~ 85 °C
- Cable length incl. connectors: ca. 2 m

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## System requirements

- Linux Kernel 4.9 or above
  - Mac OS 10.15 or above
  - Windows 8.1/8.1-64/10/10-64/11
  - PC or laptop with a free USB Type-C™ or Thunderbolt™ 3 port
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## Package content

- USB Type-C™ to 1 x serial adapter
  - Driver CD
  - User manual
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## Images



## General

Function:	Plug & Play
Specification:	RS-232 (EIA / TIA) USB Type-C™
Supported operating system:	Linux Kernel 4.9 or above Mac OS 10.15.1 or above Windows 10 32-Bit Windows 10 64-Bit Windows 8.1 32-Bit Windows 8.1 64-Bit Windows 11
LED indicator:	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, PWR
Protection:	ESD (Electrostatic Discharge)

## Interface

Output:	1 x Serial RS-232 DB9 male
Input:	1 x USB Type-C™ male

## Technical characteristics

Operating voltage:	5 V / 90 mA
Chipset:	FTDI FT231XS
Data transfer rate:	up to 460,8 Kbps
FIFO:	2 x 512 Byte
Operating temperature:	-40 °C ~ 85 °C
Signal transmission:	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Data transmission:	asynchronous full duplex Bi-directional
UART:	USB to serial UART
Data bits:	7, 8

## Physical characteristics

Ferrite core:	2 x
Housing material:	Plastic (ABS)
Weight:	26 g
Cable type:	UL Recognized Component UL AWM 2725 80 °C 30V
Cable colour:	black
Cable length incl. connector:	2 m
Pin finishing:	gold-plated
Conductor gauge:	28 AWG data line 26 AWG power line
Shielding:	double
Colour:	black
Overvoltage protection:	15 kV
Thread type:	4-40#
Insulator:	PVC
LED colour:	red green
Cable diameter:	4.5 mm