

Data sheet:

# USB <> RS422/RS485 interface Industry



Article no.: 36201

This article has been replaced by the successor model [Interface USB <> RS232/RS422/RS485, #38211](#).




PC controls RS485 bus system via USB

## Properties

### General information

- Industry-compatible design on account of
  - noise immunity in accordance with EN 61000-6-2
  - Galvanic isolation with an insulation voltage of min. 1 kV
  - Broad supply voltage range of 12 ... 24 V AC / DC
  - Housing for top-hat-rail installation
- Shipped optionally with or without power supply:  
Please order power supplies as separate accessories.
- USB 2.0 Full Speed Device (12 Mbit/s)
- Addressable as virtual COM interface under  
Windows 98 / Me / 2000 / XP / Server 2003 / Vista / Server 2008 (x86 and x64)
- Supports Mac OS 8, OS 9 and OS X
- Direct Linux support without additional driver from kernel version 2.4.0
- RS485 2 and 4 wire compatible
- RS485 automatic mode
- Suitable as "non-intelligent" converter for
  - RS485 field busses (e.g. Profibus, CS31, ...) <> USB
- **Conforms to standards** both in office and industrial environments:
  - Increased noise immunity for industrial areas
  - Stricter noise emission for residential and commercial areas

## Technical data

USB-UART:	FTDI FT232BM
Operating modes:	RS422 RS485 2/4 wire with handshake control RS485 2/4 wire with automatic control
Switching time:	approx. 10µs for switching from data send to receive for RS485 automatic control (can be changed on request)
Baud rate:	Standard baud rates: 300 ... 115200 baud (application-dependent and operating-system-dependent up to 3 Mbaud, Adjustable baud rates = 3 MHz / n, n = 1 ... 16383)
Data format:	Data bit: 7,8 Stop bit: 1,2 Parity: odd, even, no, mark, space
Signal lines:	RxD A/B, TxD A/B, CTS A/B, DTR A/B
Termination:	Connectable termination network for RS485 operation
USB connection:	B-type plug connector
RS422/485 connection:	9-pin SUB-D adapter
Galvanic isolation:	Isolation voltage min. 1 KV DC between all terminals
Power supply:	12..24V DC/AC

Current consumption: approx. 150 mA at 12 V DC  
Supply voltage connection: Plug-in screw terminal, 5.08mm spacing  
Labeled "L+" and "M"  
Ambient temperature: Storage: -40..+70°C  
Operating in non-rowed installation: 0..+60°C  
Operating in rowed installation 0..+50°C  
Permissible relative humidity: 0..95% RH (non-condensing)  
Housing: Plastic compact housing, 105x75x22mm  
Weight: approx. 100 g  
Scope of delivery: 1x interface, USB <> RS422/RS485 industry  
1x USB cable with ferrite  
1x product CD with driver and manual



[We are available to you in person:](#)

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