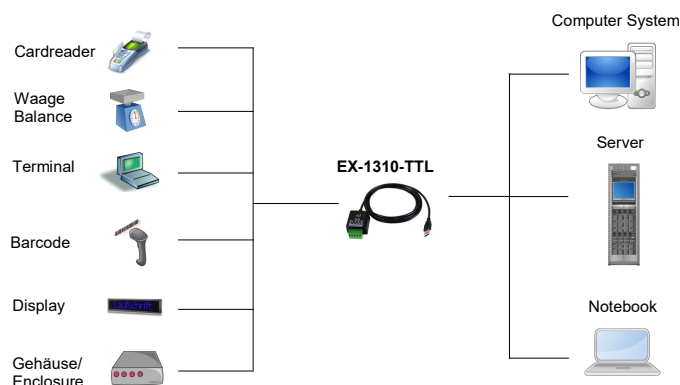


## Bild / Picture



## Anwendung / Application

USB 2.0 zu 1x Seriell RS-232 TTL/CMOS  
mit 1.8 Meter Kabel (FTDI Chip-Set)USB 2.0 to 1x Serial RS-232 TTL/CMOS  
with 1.8 meter cable (FTDI chipset)

## Beschreibung

Das USB 2.0 zu Seriell Kabel mit A-Stecker stellt einen seriellen RS-232 TTL/CMOS High Performance UART 16C550 Ausgang zur Verfügung. Der EX-1310-TTL bietet einen USB zu RS-232 Port mit 5V / 3.3V / 2.5V / 1.8V TTL/CMOS kompatiblen Logikpegel. Er wurde entwickelt, um einen weiteren seriellen TTL/CMOS Ausgang für PC, kleine Workstation oder Server über den USB 1.1, 2.0 oder 3.2 Bus zu erweitern. Durch die einfache Installation muss der Rechner nicht geöffnet werden und der EX-1310-TTL kann bei laufendem Betrieb installiert werden.

## Description

The USB 2.0 to RS-232 cable with A-connector provides one high performance 16C550-type UART compatible RS-232 TTL/CMOS serial port. It is designed for PC, thin client or server to provide instant COM port expansion via the USB 1.1, 2.0 or 3.2 Bus. The EX-1310-TTL provides a USB to RS-232 port with 5V / 3.3 / 2.5V / 1.8V TTL/CMOS compatible logic levels. With the easy installation you don't need to open the computer system and install the EX-1310-TTL when the system runs.

## Merkmale

## Features

|                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Schnittstelle RS-232 V.24 und TTL/CMOS</li></ul>                                                                                                                                 | <ul style="list-style-type: none"><li>• Interface RS-232 V.24 and TTL/CMOS</li></ul>                                                                                                                                     |
| <ul style="list-style-type: none"><li>• 16C550 FIFO Buffer mit 16Byte</li></ul>                                                                                                                                          | <ul style="list-style-type: none"><li>• 16C550 FIFO Buffer with 16Byte</li></ul>                                                                                                                                         |
| <ul style="list-style-type: none"><li>• 5V / 3.3V / 2.5V / 1.8V Logic Level über DIP-Schalter einstellbar</li></ul>                                                                                                      | <ul style="list-style-type: none"><li>• 5V / 3.3V / 2.5V / 1.8V Logic Level adjustable via DIP switches</li></ul>                                                                                                        |
| <ul style="list-style-type: none"><li>• Daten Bits: 7 oder 8 / Stop Bits: 1 oder 2 / Parity: none, even, odd, space, mark</li></ul>                                                                                      | <ul style="list-style-type: none"><li>• Data bits: 7 or 8 / Stop bits: 1 or 2 / Parity: none, even, odd, space, mark</li></ul>                                                                                           |
| <ul style="list-style-type: none"><li>• Signale RS232: TxD, RxD und GND</li></ul>                                                                                                                                        | <ul style="list-style-type: none"><li>• Signal RS232: TxD, RxD and GND</li></ul>                                                                                                                                         |
| <ul style="list-style-type: none"><li>• Stromversorgung: vom USB Bus (Bus Power) zur Unterstützung des Logik Level von 2.5V oder 1.8V benötigt es am Terminal Block +2.5V oder +1.8V</li></ul>                           | <ul style="list-style-type: none"><li>• Power supply: from USB bus (Bus Power) to support the logic level of 2.5V or 1.8V requires +2.5V or +1.8V at the terminal block</li></ul>                                        |
| <ul style="list-style-type: none"><li>• 5 Pin Terminal Block: Pin 1 TXD (output) / Pin 2 RXD (input) / Pin 3 VOUT (Output TTL/CMOS Power) / Pin 4 VIN (Input TTL/CMOS Power) / Pin 5 GND (Ground for TTL/CMOS)</li></ul> | <ul style="list-style-type: none"><li>• 5 Pin Terminal Block: Pin 1 TXD (output) / Pin 2 RXD (input) / Pin 3 VOUT (Output TTL/CMOS Power) / Pin 4 VIN (Input TTL/CMOS Power) / Pin 5 GND (Ground for TTL/CMOS)</li></ul> |
| <ul style="list-style-type: none"><li>• Stromversorgung vom USB Bus (Bus Power)</li></ul>                                                                                                                                | <ul style="list-style-type: none"><li>• Power from the USB Bus (Bus Power)</li></ul>                                                                                                                                     |

## System / OS

## Geprüft / Approved

## Verpackung / Packaging



### Spezifikation

### Specification

|                               |                                                                                             |                                |                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------|
| <b>Chip-Set:</b>              | FTDI                                                                                        | <b>Chip-Set:</b>               | FTDI                                                                                        |
| <b>Datentransfer-Rate:</b>    | 300Baud bis 921.6KBaud                                                                      | <b>Data transfer rate:</b>     | 300Baud up to 921.6KBaud                                                                    |
| <b>Anschlüsse:</b>            | 1 x USB A-Stecker Upstream<br>1 x 5 Pin Seriell RS-232/TTL/CMOS Terminal Block              | <b>Connectors:</b>             | 1 x A-male Upstream connector<br>1 x 5 pin serial RS-232/TTL/CMOS Terminal Block            |
| <b>Hardwaresysteme:</b>       | USB 1.1, 2.0 oder 3.2                                                                       | <b>Hardware system:</b>        | USB 1.1, 2.0 or 3.2                                                                         |
| <b>Treiber:</b>               | Win98SE/ME/XP/200x/Vista/7/8/10/11 (32&64-Bit)<br>Win Server 20xx/WinCE, Linux, MAC OS 10.x | <b>Driver:</b>                 | Win98SE/ME/XP/200x/Vista/7/8/10/11 (32&64-Bit)<br>Win Server 20xx/WinCE, Linux, MAC OS 10.x |
| <b>Betriebssysteme:</b>       | Gemäß Treiber                                                                               | <b>Operating systems:</b>      | According to driver                                                                         |
| <b>Betriebstemperatur :</b>   | 0°C bis +55°C                                                                               | <b>Operating temperature :</b> | 32°F up to 131°F                                                                            |
| <b>Lagertemperatur:</b>       | -40°C bis +75°C                                                                             | <b>Storage temperature:</b>    | -40°F up to 167°F                                                                           |
| <b>Rel. Luftfeuchtigkeit:</b> | 5% bis 95%                                                                                  | <b>Rel. Humidity:</b>          | 5% to 95%                                                                                   |
| <b>Abmessung:</b>             | 44.90 x 41.80 x 22.00 mm / Kabellänge 1.8 Meter                                             | <b>Size:</b>                   | 44.90 x 41.80 x 22.00 mm / Cable length 1.8 meter                                           |
| <b>Gewicht:</b>               | 150 g                                                                                       | <b>Weight:</b>                 | 150 g                                                                                       |
| <b>EAN:</b>                   | 4718359013102                                                                               | <b>EAN:</b>                    | 4718359013102                                                                               |
| <b>Ursprungsland:</b>         | Taiwan                                                                                      | <b>Country of origin:</b>      | Taiwan                                                                                      |
| <b>Lieferumfang:</b>          | EX-1310-TTL, Treiber CD, Handbuch                                                           | <b>Packaging contents:</b>     | EX-1310-TTL, Driver CD, Manual                                                              |