



## SU-302 Serial to USB Converter: The Industrial Solution for Serial Devices!

### Using Serial Devices via USB Connection

The serial to USB converter SU-302 embeds serial devices into industrial environments via USB connection.

For this purpose, the SU-302 has one USB 2.0 Hi-Speed interface and two serial interfaces: RS-232 and RS-485/EIA-485 i.e. RS-422/EIA-422.

The serial devices are connected to the serial interfaces while the USB connection is for power supply and the connection to the PC or industrial PC. The serial devices can then be used as if they were connected locally.



### Perfect Industrial Fit

The integration of the SU-302 into your industrial environment is seamless: the device in a top-hat rail housing is to be mounted on a rail (according to DIN EN 60715; 35 mm wide).

The robust design of the SU-302 and its immunity to interference as well as the guaranteed availability of the driver guarantee long-term operational availability in your environment.

### Smart Device Combination: Using Serial Devices in TCP/IP Networks as Well

Combine the SU-302 with an industrial USB Deviceserver INU-100 to make the serial devices connected to the SU-302 available via network: The INU-100 embeds USB devices such as the SU-302 into industrial TCP/IP networks.

With this combination, the SU-302 can be controlled comfortably via remote access (local network or Internet). The connection to the SU-302 merely has to be established manually or automatically with the corresponding software tool SEH UTN Manager.

Data transmission can of course be encrypted!

### Fields of Application

- Embedding serial devices into industrial environments
  - during modernization to USB or TCP/IP
  - restructuring of fixed, existing structures (minimal changes!)
  - if the devices are only available as serial devices but your modern environment is USB- or TCP/IP-based
- industrial automation: connection of sensors and actuators
- industrial manufacturing: connection of analyzers and manufacturing equipment
- process control connection of peripheral devices

And many more!

### Your Benefits

- Cost-saving and easy integration of serial industrial devices
- Extensive compatibility with serial devices
- Free worldwide support
- Up to 5 years of guarantee

### Features

- 1 × USB 2.0 Hi-Speed port
- 1 × RS-232 serial interface
- 1 × RS-485/EIA-485 i.e. RS-422 /EIS-422 serial interface
- For Windows and Linux

# SU-302

## Serial to USB converter

### TECHNICAL SPECIFICATIONS

#### Interfaces / Device Connection

- 1 × USB 2.0 Hi-Speed
  - Uplink to host system
  - Power supply
- 1 × RS-232
  - Plug type: D-Sub, DE-9
  - Signals: TXD, RXD, RTS, CTS, DTR, DTS, DCD, RI
  - Pin assignment:

1 DCD [in]	6 DSR [in]
2 RXD [in]	7 RTS [out]
3 TXD [out]	8 CTS [in]
4 DTR [in]	9 RI [in]
5 GND	
- 1 × RS-485/EIA-485 i.e. RS-422/EIA-422:
  - Female plug (terminal screws) with clamping-yoke connection
  - Signals: A, B, Y, Z
  - Mode: Full or half duplex
  - Receiver: 1/4 Unit-Load

#### Systems

- Microsoft Windows (Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016)
- Linux

#### Specialized Solution:

Embedding serial devices into TCP/IP networks in combination with USB Deviceserver INU-100



USB Deviceserver INU-100

Order Number: M07210 (EU), M07212 (US)

Serial to USB converter SU-302

Order Number: M07260 (EU), M07260 (US)

#### Tests (Notifications)

- CE: EN 61000-6
- Emission according to: EN 61000-6-3 (is class B)
- Device with power supply of class 1 according to EN62368-1

#### Power Supply

- via USB

#### Current Input

- approx. 200 mA at 5 V with full load on both serial interfaces

#### Operating environment

- Temperature: 5–40 °C
- Relative humidity: 20–80 %

#### Dimensions (Width, Height, Depth)

- 22.5 × 111 × 114 mm

#### Weight

- 125 g

#### Order Numbers

- M07260 (EU), M07262 (US)



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