

## Model Information



### ■ Features

- 2 x RS232/422/485 ports
- USB 2.0 Full Speed interface
- USB and serial ports ESD protected
- Robust metal case
- Jumperless, DIP ports configuration
- Serial speed max. 1000(RS232) / 3000(RS485) kbps
- DIN-Rail and Wall mount options
- Bus powered, no external power supply
- Wide range operating temperature (-25°C - +75°C)

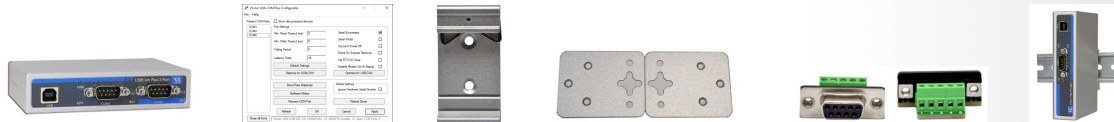
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## USB-2COM Plus

### (USB-2COM-M, USB-2COMi-M, USB-2COM-PRO)

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### ■ More Pictures



Click on the thumbnails for the large picture ...

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### ■ Overview

The modern USB-2COM Plus adapter connects 2 x RS232 or RS422/485 devices to your PC by a USB 2.0 Full Speed port. The serial ports and USB are ESD protected, compliant to IEC 61000-4-2 (8kV contact/16kV air discharges).

All serial ports support RS232, RS422 and RS485 in Full-/Half-Duplex operation mode. The operation modes of the serial ports are easy configured by one DIP switch for each port. The configuration also activates built-in RS485 termination if required, no jumpers needed. Standard Drivers are available for all major operating systems.

The USB 2.0 Full-Speed enables serial data rates of up to 3Mbps in RS422/485 or 1000kbps in RS232 modes. The device also allows every non-standard bitrate up to 960 kbps.

All USB-COM Plus devices can be used to expand the serial ports for [NetCom Plus Device Servers](#).

### ■ USB Interface

<b>USB-Input</b>	USB 2.0 Full Speed, USB 1.1 compliant
<b>Connector</b>	USB type B
<b>Protection</b>	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

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### ■ Serial Interface

<b>Ports</b>	<ul style="list-style-type: none"> <li>• 2 x RS232/422/485 configured by DIP switch</li> <li>• RS485 Termination configured by DIP switch</li> <li>• Polarization/BIAS not required</li> <li>• Connector DSub-9 male</li> </ul>
<b>Speed</b>	<ul style="list-style-type: none"> <li>• RS232: 180bps - 921.6/1000kbps</li> <li>• RS422: up to 3Mbps</li> <li>• RS485: up to 3Mbps</li> </ul>
<b>Available Modes</b>	<ul style="list-style-type: none"> <li>• RS232 full duplex</li> <li>• RS422 full duplex</li> <li>• RS485 4-wire, full duplex</li> <li>• RS485 2-wire, half duplex (bus-mode)</li> </ul>
<b>Signals</b>	<ul style="list-style-type: none"> <li>• RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND</li> <li>• RS422: Tx+/-, Rx+/-, GND</li> <li>• RS485 4-wire: Tx+/-, Rx+/-, GND</li> <li>• RS485 2-wire: Data+/-, GND</li> </ul>
<b>Protection</b>	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge
<b>Configuration</b>	One DIP switch for each port defines operation mode and RS422/485 termination

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## ■ Software

### Driver

- Windows 2000 to Windows 10 (x86 and x64)
- Windows Server 2000 to 2012 (x86 and x64)
- Linux (Kernel 2.6 and later built-in)
- Mac OS X

Installation by automatic download from the Internet

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## ■ Power and Environment

### Connector

USB bus powered, no external supply

### Protection

Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

### Dimension

115×73×25 mm<sup>3</sup> (W×L×H)

### Operating Temp

−25°C - 75°C

### Storage Temp

−30°C - 85°C

### Case

SECC sheet metal (0.8mm)

### Weight

0.25kg

### Mounting

- DIN-Rail (optional)
- Wall mount (optional)

### LEDs

LEDs for Power, Ready, serial Tx, Rx

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## ■ Standards

### Declarations

CE, FCC

### EMI

- EN 55022 Class B
- 47 CFR FCC Part 15 Subpart B

### EMS (EN 55024)

- EN 61000-4-3: Radiated RFI
- EN 61000-4-4: Electrical Fast Transient
- EN 61000-4-5: Surge
- EN 61000-4-6: Induced RFI
- EN 61000-4-8: Power Frequency Magnetic Field
- EN 61000-4-11: Power supply dips

### ESD

EN 61000-4-2 4kV contact 8kV air for

- Serial Ports
- USB

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## ■ Ordering Information

### 605

USB-2COM Plus (2x RS232/422/485, non-isolated)

607

USB-2COM Plus ISO (2x RS232/422/485, isolated)

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### ■ Options

6692

DK-NCP  
DIN-Rail mounting kit

6693

WK-NCP  
Wallmount kit

[663](#)

5-pin Terminal block adapter to DB9 female

[6061](#)

RJ45 adapter to DB9 female

[661](#)

Serial Null-Modem adapter 9PF-9PF, change male to female

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### ■ Packaging

#### Packing list

- USB-2COM Plus device
- USB 2.0 High-Speed cable
- 4 rubber feet for table mode

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## USB-2COM Plus

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# USB-COM Plus Configurator

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VScom USB-COM Plus Configurator

File Help

Present COM-Ports  Show disconnected devices

COM3  
COM4  
COM6

Port Settings

Min. Read Timeout (ms):  Serial Enumerator

Min. Write Timeout (ms):  Serial Printer

Polling Period:  Cancel If Power Off

Latency Timer:  Event On Surprise Removal

Set RTS On Close

Disable Modem Ctrl At Startup

Default Settings

Optimize for USB-COM

Optimize for USB-CAN

Baud Rate Mappings

Global Settings

Ignore Hardware Serial Number

Reload Driver

Refresh OK Cancel Apply

Close All Ports

VScom USB-COM 232, SN: DN6NP3AA, ID: 4036015, LocalID: 31; Open COM Ports: 0

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## DIN-Rail Mounting Kit

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## Wall Mounting Kit

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## Terminal Block Adapter

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## USB-COM Plus on DIN-Rail, USB-2COM Plus is similar

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