

Model Information



■ Features

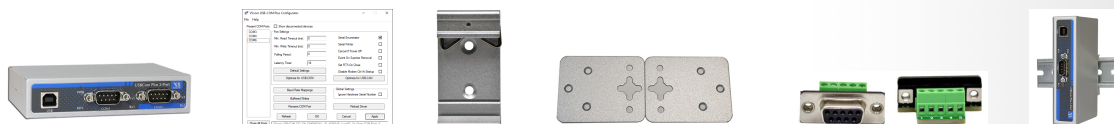
- 2 x RS232/422/485 ports
- USB 2.0 Full Speed interface
- USB and serial ports ESD protected
- Robust metal case
- Jumperless, DIP ports configuration
- Serial speed max. 1000(RS232) / 3000(RS485) kbps
- DIN-Rail and Wall mount options
- Bus powered, no external power supply
- Wide range operating temperature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

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

Quick Link: | [Features](#) | [More Pictures](#) | [Overview](#) | [USB Interface](#) | [Serial Interface](#) | [Software](#) | [Power and Environment](#) | [Standards](#) | [Ordering Information](#) | [Options](#) | [Packaging](#) |

■ More Pictures



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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

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

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■ Serial Interface

Ports	<ul style="list-style-type: none"> • 2 x RS232/422/485 configured by DIP switch • RS485 Termination configured by DIP switch • Polarization/BIAS not required • Connector DSub-9 male
Speed	<ul style="list-style-type: none"> • RS232: 180bps - 921.6/1000kbps • RS422: up to 3Mbps • RS485: up to 3Mbps
Available Modes	<ul style="list-style-type: none"> • RS232 full duplex • RS422 full duplex • RS485 4-wire, full duplex • RS485 2-wire, half duplex (bus-mode)
Signals	<ul style="list-style-type: none"> • RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND • RS422: Tx+/-, Rx+/-, GND • RS485 4-wire: Tx+/-, Rx+/-, GND • RS485 2-wire: Data+/-, GND
Protection	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge
Configuration	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 mm³ (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

Buffered Writes

Rename COM Port

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

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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