

Model Information



■ Features

- 1 x RS232/422/485 port
- USB 2.0 Full Speed interface
- 2.5kV isolation per serial port
- 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-COM Plus ISO

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■ More Pictures



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■ Overview

The modern USB-COM Plus ISO adapter connects one RS232 or RS422/485 device to your PC by a USB 2.0 Full Speed port. The serial port is isolated for 2.5kV. The serial port and USB are ESD protected, compliant to IEC 61000-4-2 (8kV contact/16kV air discharges).

The serial port supports RS232, RS422 and RS485 in Full-/Half-Duplex operation mode. The operation mode of the serial port is easy configured by one DIP. 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

Port	<ul style="list-style-type: none"> • 1 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, GND • RS422: Tx+/-, Rx+/-, GND • RS485 4-wire: Tx+/-, Rx+/-, GND • RS485 2-wire: Data+/-, GND <p>All signals isolated for 2.5kV</p>
Protection	<ul style="list-style-type: none"> • Galvanically isolated 2.5kV • Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge
Configuration	One DIP switch defines operation mode and RS422/485 termination

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■ Software

Driver	<ul style="list-style-type: none"> • 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 <p>Installation by automatic download from the Internet</p>
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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 ³ (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	<ul style="list-style-type: none"> • DIN-Rail (optional) • Wall mount (optional)
LEDs	LEDs for Power, Ready, serial Tx, Rx

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■ Standards

Declarations	CE, FCC
EMI	<ul style="list-style-type: none"> • EN 55022 Class B • 47 CFR FCC Part 15 Subpart B
EMS (EN 55024)	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Serial Port • USB

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■ Ordering Information

603	USB-COM Plus ISO (1x RS232/422/485, isolated)
601	USB-COM Plus (1x RS232/422/485, non-isolated)

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■ Options

6692	DK-NCP DIN-Rail mounting kit
6693	WK-NCP Wallmount kit
<u>663</u>	5-pin Terminal block adapter to DB9 female
<u>6061</u>	RJ45 adapter to DB9 female
<u>661</u>	Serial Null-Modem adapter 9PF-9PF, change male to female

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■ Packaging

Packing list	<ul style="list-style-type: none">• USB-COM Plus ISO device• USB 2.0 High-Speed cable• 4 rubber feet for table mode
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USB-COM Plus ISO

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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):

Min. Write Timeout (ms):

Polling Period:

Latency Timer:

Serial Enumerator

Serial Printer

Cancel If Power Off

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 ISO on DIN-Rail

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