

Model Information



■ Features

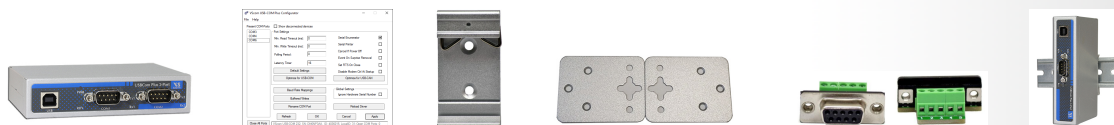
- 2 x RS232/422/485 ports
- USB 2.0 Full Speed interface
- 2.5kV isolation per serial port
- USB and serial ports ESD protected
- Robust metal case
- Jumperless, DIP ports configuration
- Serial speed max. 1000(RS232) / 3000(RS485) kbps
- DIN-Rail and Wall mount options
- Bus powered, no external power supply
- Wide range operating temperature (-25°C - +75°C)

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USB-2COM Plus ISO (USB-2COMi SI-M)

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■ More Pictures



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■ Overview

The modern USB-2COM Plus ISO adapter connects 2 x RS232 or RS422/485 devices to your PC by a USB 2.0 Full Speed port. The serial ports are individually isolated for 2.5kV. 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, 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 for each port 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 Ports • USB |

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■ Ordering Information

| | |
|------------|--|
| 607 | USB-2COM Plus ISO (2x RS232/422/485, isolated) |
| 605 | USB-2COM Plus (2x RS232/422/485, non-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 ISO device
- USB 2.0 High-Speed cable
- 4 rubber feet for table mode

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USB-2COM 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): 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

Buffered Writes

Ignore Hardware Serial Number

Rename COM Port

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 ISO is similar

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