

Model Information



■ Features

- 4 x RS232/422/485 ports
- USB 2.0 High Speed interface
- 2.5kV isolation per serial port
- USB, serial ports and power supply ESD protected
- Robust metal case
- Ports configuration: via software or DIP-switch
- Serial speed max. 1000(RS232) / 12000(RS485) kbps
- 19-inch and Wall mounting options
- Bus powered or ext. DCin 9-54V
- Easy port expansion via USB-Out type A connector
- Wide range operating temperature (-25°C - +75°C)

[Contact Online...](#)

USB-4COM Plus ISO

(USB-4COMi SI-M)

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

■ More Pictures



Click on the thumbnails for the large picture ...

[>Back to top](#)

■ Overview

The modern USB-4COM Plus ISO adapter connects 4 x RS232 or RS422/485 devices to your PC by one USB 2.0 High Speed port. The serial ports are individually isolated for 2.5kV. The serial ports, USB and the power supply are ESD protected, compliant to IEC 61000-4-2 (8kV contact/16kV air discharges). USB-4COM Plus ISO may work in bus-powered mode on stronger than minimum ports, but a DCin connector for external wide range voltage is provided.

All serial ports support RS232, RS422 and RS485 in Full-/Half-Duplex operation modes. The operation modes of the serial ports are either configured by a single DIP switch common for all ports, or for each port individually by software. 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 High-Speed enables serial data rates of up to 12Mbps in RS422/485 or 1000kbps in RS232 modes. The device also allows every non-standard bitrate up to 3.5Mbps.

A USB-out (type A) connector at the rear side allows easy expansion of serial ports by simple concatenation of further USB-COM Plus modules; we call it "USB-Through" feature. 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 High Speed, USB 1.1 compliant

Connector

USB type B

Protection

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

USB-Out	USB 2.0 High Speed, USB 1.1 compliant
Connector	USB type A (at rear side) Used to connect more USB-(x)COM modules for port expansion.
Protection	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

[>Back to top](#)

■ Serial Interface

Ports	<ul style="list-style-type: none"> • 4 x RS232/422/485 configurable by software • RS485 Termination configurable by software • Polarization/BIAS not required • Connector DSub-9 male <p>For configuration details see below ...</p>
Speed	<ul style="list-style-type: none"> • RS232: 180bps - 921.6/1000kbps • RS422: up to 12Mbps • RS485: up to 12Mbps
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) <p>For configuration details see below ...</p>
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	<p>Either all ports operate in one common mode, configured by a single DIP switch, or each port is individually configured by a software:</p> <ul style="list-style-type: none"> • Windows: USB-COM Configuration Utility • All OS: Terminal Emulation

[>Back to top](#)

■ 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>
---------------	--

[>Back to top](#)

■ Power and Environment

Power Consumption	<ul style="list-style-type: none"> • Bus powered: 5V 600mA via USB • Self powered: DCin 9 - 54V, 4W
USB Supply	<p>Most USB ports provide 600mA, more than the specification. Use the DCin supply otherwise, this is compulsory to support USB-Out.</p>
DCin Supply	<ul style="list-style-type: none"> • DCin specs: Wide range 9 - 54V DC, 4W • Connector: 3-pin industrial Terminal Block (Plus / Minus / Protective Earth)
DCin Protection	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge
Dimension	196×147×44 mm ³ (W×L×H)
Operating Temp	-25°C - 75°C

Storage Temp	-30°C – 85°C
Case	SECC sheet metal (0.8mm)
Weight	0.9kg
Mounting	<ul style="list-style-type: none">• 19-inch Rack• Wall mount
LEDs	LEDs for Power, Ready, serial Tx, Rx

[>Back to top](#)

■ Ordering Information

611	USB-4COM Plus ISO (4x RS232/422/485, isolated, expandable)
609	USB-4COM Plus (4x RS232/422/485, non-isolated, expandable)

[>Back to top](#)

■ Options

6031	DC Power supply adapter 12V @ 1A
663	6-pin Terminal block adapter to DB9 female
661	Serial Null-Modem adapter 9PF-9PF, change male to female

[>Back to top](#)

■ Packaging

Packing list

- USB-4COM Plus ISO device
- Mounting brackets for 19-inch rack
- Wallmount plates
- CD-ROM with configuration software

[>Back to top](#)

USB-4COM Plus ISO

[>Back](#)



USB-4COM Plus ISO back side

[>Back](#)



USB-COM Plus Configurator

[>Back](#)

VScom USB-COM Plus Configurator

File Help

Present COM-Ports Show disconnected devices

COM3	Port Settings	Min. Read Timeout (ms):	<input type="text" value="0"/>	Serial Enumerator	<input checked="" type="checkbox"/>
COM4		Min. Write Timeout (ms):	<input type="text" value="0"/>	Serial Printer	<input type="checkbox"/>
COM6		Polling Period:	<input type="text" value="0"/>	Cancel If Power Off	<input type="checkbox"/>
		Latency Timer:	<input type="text" value="16"/>	Event On Surprise Removal	<input type="checkbox"/>
		<input type="button" value="Default Settings"/>		Set RTS On Close	<input type="checkbox"/>
		<input type="button" value="Optimize for USB-COM"/>		Disable Modem Ctrl At Startup	<input type="checkbox"/>
		<input type="button" value="Baud Rate Mappings"/>		<input type="button" value="Optimize for USB-CAN"/>	
		<input type="button" value="Buffered Writes"/>		Global Settings	
		<input type="button" value="Rename COM Port"/>		Ignore Hardware Serial Number <input type="checkbox"/>	
		<input type="button" value="Refresh"/>		<input type="button" value="Reload Driver"/>	
		<input type="button" value="OK"/>		<input type="button" value="Cancel"/>	
		<input type="button" value="Close All Ports"/>		<input type="button" value="Apply"/>	

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

Rackmount Kit

[>Back](#)



Wall Mounting Kit

[>Back](#)



Terminal Block Adapter

[>Back](#)

