Model Information

Features

- 4 x RS232/422/485 ports
- USB 2.0 High Speed interface
- 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...

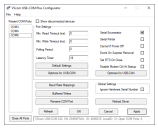
USB-4COM Plus

(USB-4COMi-M, USB-4COM-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-4COM Plus adapter connects 4 x RS232 or RS422/485 devices to your PC by one USB 2.0 High Speed port. 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 works in bus-powered mode, but a DCin connector for external wide range voltage is also 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

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Serial Interface

Ports	• 4 x RS232/422/485 configurable by software • RS485 Termination configurable by software • Polarization/BIAS not required • Connector DSub-9 male For configuration details see below ...
Speed	• RS232: 180bps - 921.6/1000kbps • RS422: up to 12Mbps • RS485: up to 12Mbps
Available Modes	• RS232 full duplex • RS422 full duplex • RS485 4-wire, full duplex • RS485 2-wire, half duplex (bus-mode) For configuration details see below ...
Signals	• RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, 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	Either all ports operate in one common mode, configured by a single DIP switch, or each port is individually configured by a software: • Windows: USB-COM Configuration Utility • All OS: Terminal Emulation

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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

Power Consumption	• Bus-powered: 5V 500mA via USB • Self-powered: DCin 9 - 54V, 3W
USB Supply	Bus-powered possible on standard USB ports. The DCin supply is compulsory to support USB-Out. It is also necessary for USB ports with lesser power output.
DCin Supply	• DCin specs: Wide range 9 - 54V DC, 3W • 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 mm³ (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	• 19-inch Rack • Wall mount
LEDs	LEDs for Power, Ready, serial Tx, Rx

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Standards

Declarations	CE, FCC
EMI	• EN 55022 Class B • EN 61000-3-2: Limits of harmonic current emissions • EN 61000-3-3: Limitation of voltage changes • 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 • DC Power connector

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Ordering Information

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

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Options

6031	DC Power supply adapter 12V @ 1A
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-4COM Plus device • USB 2.0 High-Speed cable • Mounting brackets for 19-inch rack • Wallmount plates • Terminal block for Power Supply • CD-ROM with configuration software • 4 rubber feet for table mode

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USB-4COM Plus

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USB-4COM Plus back side

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USB-COM Plus Configurator

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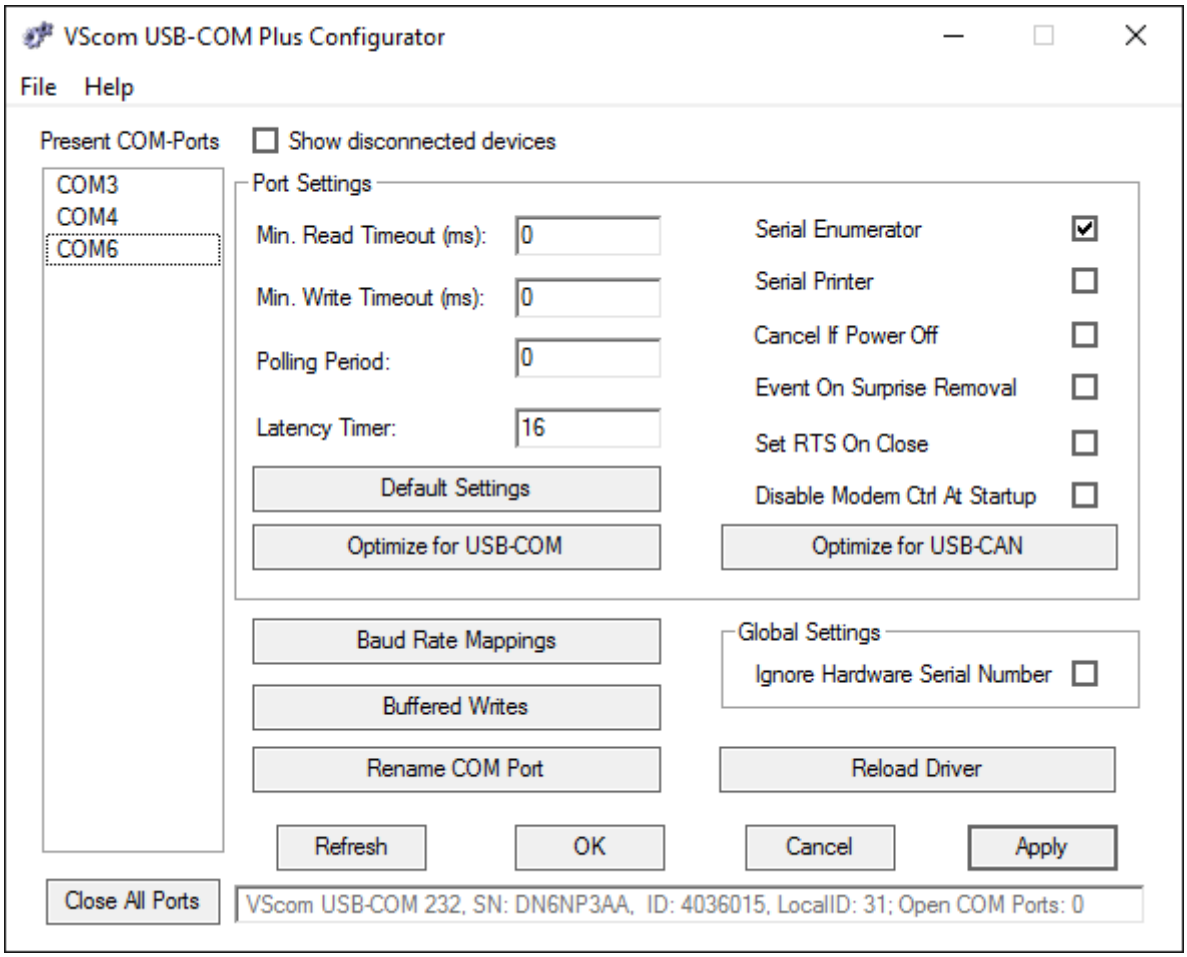

Rackmount Kit

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Wall Mounting Kit

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Terminal Block Adapter

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