

Model Information



■ Main Features

- USB 2.0 to 4 x RS232 ports
- High-Speed serial ports 460.8kbps
- Port Expansion via USB 2.0 High Speed
- Driver for Windows, Linux, Mac OS X
- LEDs for Power/Ready and TxD/RxD activity
- ESD protection on USB and serial ports
- Bus and Self powered
- Ruggedized metal housing
- DIN-Rail and wall mount options
- Wide range of operating temperatures

[Contact Online...](#)

USB-4COM RJ45

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■ More Pictures



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■ Overview

The USB-4COM RJ45 provides easy serial port expansion over USB 2.0 connecting to high speed RS232 devices. All USB-xCOM converters are fully ESD and surge protected and accommodated in a small metal case. The USB-4COM RJ45 is bus and self powered at users choice. Furthermore, it can operate across a large range of temperatures to cope with harsh operating conditions. Lastly, DIN-Rail and wall-mounting options are available.

Easy Serial Ports Configuration

The serial ports support 7 signals of RS232 protocol. LEDs for PWR, RDY and TxD/RxD for each port clearly show the activity status for the user. Com Port drivers are available for Windows, Linux and Mac OS X. "USBCOM Configuration Utility" allows easy access to special Windows driver options to optimise settings and performance.

High Speed Rates and ESD Protection

USB 2.0 High Speed connection allows serial data rates of up to 460.8kbps. Every non-standard bitrate (e.g. 31250bps for MIDI) can easily be set up. USB-xCOM systems are fully ESD protected at the USB and serial port interfaces.

■ USB Interface

USB-Input	USB 2.0 High Speed, USB 1.1 compliant
Connector	USB type B
Circuits	FTDI FT4232H Genesys GL850G

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■ Serial Interface

No. of Ports/Type	4 x RS232
Connector	RJ45 (8P8C) 8 pin, uses customers Cat5 cables RJ45-TO-DB9M Adapters to change to DB9 wiring available

Protection	16kV ESD surge protection
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Even, Odd, Mark, Space
Flow Control	RTS/CTS, XON/XOFF
Baudrate	180bps - 460.8/500kbps
LEDs	TxD/RxD for each port

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■ Serial Port Expansion

Connector	USB 2.0 High Speed type A, 500mA @5V at front side
Expansion Ports	connect USB-xCOM RJ45 to add more serial ports

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■ Software

Drivers	- Windows 2000 to Windows 11 (x86 and x64) - Windows Server 2000 to 2012R2 (x86 and x64) - Linux (Kernel 3.4 and later built-in) - Mac OS X
Installation	The driver is already installed (Linux), or installs by automatic Download after Device connection (Windows).

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■ Power Requirement

Input Voltage	5V (USB) 9 - 54V DCin
Power Consumption	- Bus-powered: 5V 300mA via USB - Self-powered: DCin 9 - 54V, 2W + 3W for Port Expansion
Port Expansion	DCin supply is compulsory to support Port Expansion.
Connector	- Bus powered: USB Type B, no external supply - Self powered: 3-Pin Terminal Block

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■ Housing and Mounting

Case	0.8mm sheet metal
Weight	0.25kg, w/h box 0.3kg
Dimensions	115×73×25 mm ³ (W×L×H)
Packaged	150×107×48 mm ³
Mounting	Desktop use - DIN-Rail (optional) - Wall mount (optional)

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■ Environmental Data

Operating Temp	−25°C - 75°C
Storage Temp	−30°C - 85°C
Ambient Humidity	5-95% non condensing

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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
 - DCin Power connector

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available soon

Standard

Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7

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2 years

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USB-4COM RJ45 (4x RS232)

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DK-NCP DIN-Rail mounting kit (clamp on rear side)

6693

WK-NCP Wallmount kit

6031

DC Power supply adapter 12V @ 1A

6062 x 4

Set 4 pcs Adapter RJ45-TO-DB9M
Cat5 to Dsub9-male, use own Cat5 cables for attaching

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- USB-4COM RJ45 device
- USB 2.0 High-Speed cable
- Terminal Block for Power Supply
- 4 rubber feet for table mode

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Specifications are subject to change without notice.

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USB-COM Plus Configurator

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The screenshot shows the 'VScom USB-COM Plus Configurator' window. It has a menu bar with 'File' and 'Help'. On the left, under 'Present COM-Ports', there is a list box containing 'COM3', 'COM4', and 'COM6'. To its right is a checkbox 'Show disconnected devices'. The main area is divided into 'Port Settings' and 'Global Settings'. 'Port Settings' includes input fields for 'Min. Read Timeout (ms): 0', 'Min. Write Timeout (ms): 0', 'Polling Period: 0', and 'Latency Timer: 16'. It also has checkboxes for 'Serial Enumerator' (checked), 'Serial Printer', 'Cancel If Power Off', 'Event On Surprise Removal', 'Set RTS On Close', and 'Disable Modem Ctrl At Startup'. There are buttons for 'Default Settings', 'Optimize for USB-COM', and 'Optimize for USB-CAN'. 'Global Settings' has a checkbox for 'Ignore Hardware Serial Number'. At the bottom, there are buttons for 'Baud Rate Mappings', 'Buffered Writes', 'Rename COM Port', 'Reload Driver', 'Refresh', 'OK', 'Cancel', and 'Apply'. A status bar at the very bottom displays 'VScom USB-COM 232, SN: DN6NP3AA, ID: 4036015, LocalID: 31; Open COM Ports: 0'.

VScom USB-COM Plus Configurator

File Help

Present COM-Ports ☐ Show disconnected devices

COM3
COM4
COM6

Port Settings

Min. Read Timeout (ms): 0

Min. Write Timeout (ms): 0

Polling Period: 0

Latency Timer: 16

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

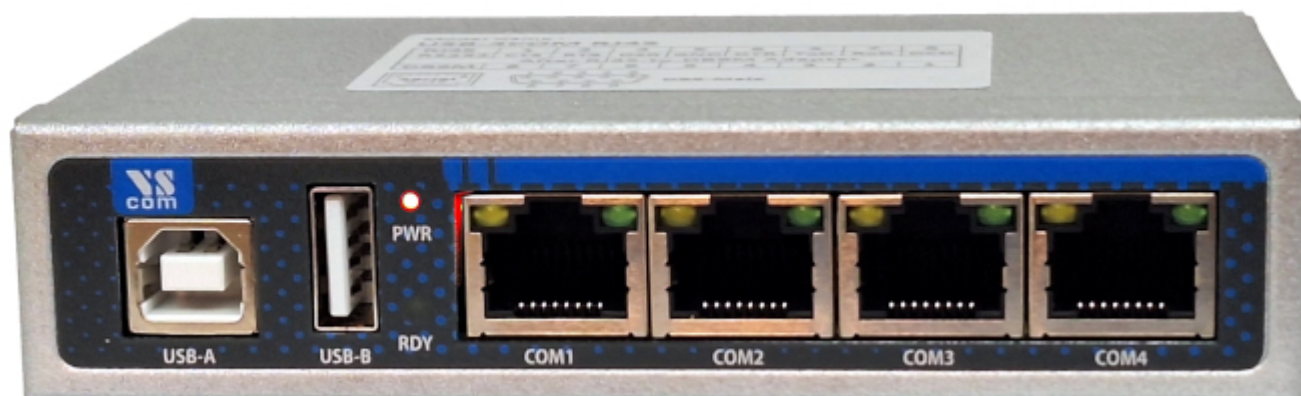
Cancel

Apply

Close All Ports

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

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DIN-Rail Mount Kit DK-NCP[>Back](#)**Wall Mount Kit**[>Back](#)

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