

## 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

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# USB-4COM RJ45

Quick Link: | [Main Features](#) | [More Pictures](#) | [Overview](#) | [USB Interface](#) | [Serial Interface](#) | [Serial Port Expansion](#) | [Software](#) | [Power Requirement](#) | [Housing and Mounting](#) | [Environmental Data](#) | [Standards](#) | [MTBF \(Mean Time Between Failures\)](#) | [Warranty](#) | [Ordering Information](#) | [Options](#) | [Packaging](#) |

### ■ More Pictures



Click on the thumbnails for the large picture ...

[>Back to top](#)

### ■ 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 MIDI) can easily be set up. USB-xCOM systems are fully ESD protected at the USB and serial port interfaces.

### ■ USB Interface

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

[>Back to top](#)

### ■ Serial Interface

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

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

[>Back to top](#)

## ■ Serial Port Expansion

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

[>Back to top](#)

## ■ Software

<b>Drivers</b>	<ul style="list-style-type: none"> <li>• Windows 2000 to Windows 10 (x86 and x64)</li> <li>• Windows Server 2000 to 2016 (x86 and x64)</li> <li>• Linux (Kernel 2.6 and later built-in)</li> <li>• Mac OS X</li> </ul>
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<b>Installation</b>	The driver is already installed (Linux), or installs by automatic Download after Device connection (Windows).
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[>Back to top](#)

## ■ Power Requirement

<b>Input Voltage</b>	<ul style="list-style-type: none"> <li>• 5V (USB)</li> <li>• 9 – 54V DCin</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Bus-powered: 5V 300mA via USB</li> <li>• Self-powered: DCin 9 – 54V, 2W + 3W for Port Expansion</li> </ul>
<b>Port Expansion</b>	DCin supply is compulsory to support Port Expansion.
<b>Connector</b>	<ul style="list-style-type: none"> <li>• Bus powered: USB Type B, no external supply</li> <li>• Self powered: 3-Pin Terminal Block</li> </ul>

[>Back to top](#)

## ■ Housing and Mounting

<b>Case</b>	0.8mm sheet metal
<b>Weight</b>	0.25kg, w/h box 0.3kg
<b>Dimensions</b>	115×73×25 mm <sup>3</sup> (W×L×H)
<b>Packaged</b>	150×107×48 mm <sup>3</sup>
<b>Mounting</b>	Desktop use <ul style="list-style-type: none"> <li>• DIN-Rail (optional)</li> <li>• Wall mount (optional)</li> </ul>

[>Back to top](#)

## ■ Environmental Data

<b>Operating Temp</b>	-25°C - 75°C
<b>Storage Temp</b>	-30°C – 85°C
<b>Ambient Humidity</b>	5-95% non condensing

[>Back to top](#)

## ■ Standards

<b>Declarations</b>	CE, FCC
<b>EMI</b>	<ul style="list-style-type: none"> <li>• EN 55022 Class B</li> <li>• 47 CFR FCC Part 15 Subpart B</li> </ul>

## 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

[>Back to top](#)

## ■ MTBF (Mean Time Between Failures)

**MTBF** available soon

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

[>Back to top](#)

## ■ Warranty

**Warranty Period** 2 years

[>Back to top](#)

## ■ Ordering Information

**626** USB-4COM RJ45 (4x RS232)

[>Back to top](#)

## ■ Options

**6692** 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

[>Back to top](#)

## ■ Packaging

### Packing list

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

[>Back to top](#)

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# USB-4COM RJ45

[>Back](#)



# USB-COM Plus Configurator

[>Back](#)

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

Global Settings

Ignore Hardware Serial Number

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

## Front and Back Side

[>Back](#)



## DIN-Rail Mount Kit DK-NCP

[>Back](#)



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**Wall Mount Kit**  
[>Back](#)



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