

## Model Information



### ■ Features

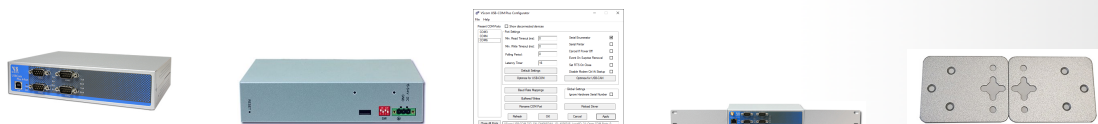
- 4 x RS232 ports
- USB 2.0 High Speed interface
- USB, serial ports and power supply ESD protected
- Robust metal case
- Serial speed max. 1000 kbps
- 19-inch and Wall mounting options
- Bus powered or ext. DCin 9-54V
- Easy port expansion via USB-Out type A connector
- Wide range operating temperature (-25°C - +75°C)

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## USB-4COM Plus 232 (USB-4COM-M)

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### ■ More Pictures



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### ■ Overview

The modern USB-4COM Plus 232 adapter connects 4 x RS232 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 232 works in bus-powered mode, but a DCin connector for external wide range voltage is also provided.

All serial ports support RS232. Standard Drivers are available for all major operating systems.

The USB 2.0 High-Speed enables serial data rates of up to 1000kbps. The device also allows every non-standard bitrate.

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.

### ■ USB Interface

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

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<b>Serial Interface</b>	
<b>Ports</b>	<ul style="list-style-type: none"> <li>• 4 x RS232</li> <li>• Connector DSub-9 male</li> </ul>
<b>Speed</b>	180bps - 921.6/1000kbps
<b>Signals</b>	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
<b>Protection</b>	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

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<b>Software</b>	
<b>Driver</b>	<ul style="list-style-type: none"> <li>• Windows 2000 to Windows 10 (x86 and x64)</li> <li>• Windows Server 2000 to 2012 (x86 and x64)</li> <li>• Linux (Kernel 2.6 and later built-in)</li> <li>• Mac OS X</li> </ul>

Installation by automatic download from the Internet

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<b>Power and Environment</b>	
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Bus-powered: 5V 500mA via USB</li> <li>• Self-powered: DCin 9 - 54V, 3W</li> </ul>
<b>USB Supply</b>	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.
<b>DCin Supply</b>	<ul style="list-style-type: none"> <li>• DCin specs: Wide range 9 - 54V DC, 3W</li> <li>• Connector: 3-pin industrial Terminal Block (Plus / Minus / Protective Earth)</li> </ul>
<b>DCin Protection</b>	Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge
<b>Dimension</b>	196×147×44 mm <sup>3</sup> (W×L×H)
<b>Operating Temp</b>	-25°C - 75°C
<b>Storage Temp</b>	-30°C - 85°C
<b>Case</b>	SECC sheet metal (0.8mm)
<b>Weight</b>	0.9kg
<b>Mounting</b>	<ul style="list-style-type: none"> <li>• 19-inch Rack</li> <li>• Wall mount</li> </ul>
<b>LEDs</b>	LEDs for Power, Ready, serial Tx, Rx

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<b>Standards</b>	
<b>Declarations</b>	CE, FCC
<b>EMI</b>	<ul style="list-style-type: none"> <li>• EN 55022 Class B</li> <li>• EN 61000-3-2: Limits of harmonic current emissions</li> <li>• EN 61000-3-3: Limitation of voltage changes</li> <li>• 47 CFR FCC Part 15 Subpart B</li> </ul>
<b>EMS (EN 55024)</b>	<ul style="list-style-type: none"> <li>• EN 61000-4-3: Radiated RFI</li> <li>• EN 61000-4-4: Electrical Fast Transient</li> <li>• EN 61000-4-5: Surge</li> <li>• EN 61000-4-6: Induced RFI</li> <li>• EN 61000-4-8: Power Frequency Magnetic Field</li> <li>• EN 61000-4-11: Power supply dips</li> </ul>
<b>ESD</b>	EN 61000-4-2 4kV contact 8kV air for <ul style="list-style-type: none"> <li>• Serial Ports</li> <li>• USB</li> <li>• DC Power connector</li> </ul>

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<b>Ordering Information</b>	
<b>6609</b>	USB-4COM Plus 232 (4x RS232, non-isolated, expandable)

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## ■ Options

**6031**

DC Power supply adapter 12V @ 1A

**661**

Serial Null-Modem adapter 9PF-9PF, change male to female

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## ■ Packaging

### Packing list

- USB-4COM Plus 232 device
- USB 2.0 High-Speed cable
- Mounting brackets for 19-inch rack
- Wallmount plates
- Terminal block for Power Supply
- 4 rubber feet for table mode

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## USB-4COM Plus 232

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## USB-4COM Plus back side

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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

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

## Rackmount Kit

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## Wall Mounting Kit

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