

Model Information



■ Features

- Consists of 2xUSB-8COM Plus 232
- 16 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
- External 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-16COM Plus 232 (USB-16COM-RM)

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■ More Pictures



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■ Overview

The USB-16COM Plus 232 actually is a combination of two USB 8COM Plus 232 devices, mounted as a pair via a special Rack Mount kit. Both devices are connected via one USB cable, in essence the pair operates as one USB-COM with 16 simultaneous serial ports.

The USB-16COM Plus 232 adapter connects 16 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). Two DCin connectors for external wide range voltage are provided.

Standard Drivers are available for all major operating systems.

The USB 2.0 High-Speed enables serial data rates of up to 1000kbps in RS232. The device also allows every non-standard bitrate up to max. speed.

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

| | |
|-------------------|---|
| 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 | <ul style="list-style-type: none"> • 16 x RS232 • Connector DSub-9 male |
| Speed | 180bps - 921.6/1000kbps |
| Signals | TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND |
| Protection | Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge |
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| ■ 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> |
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| ■ Power and Environment | |
| Power Consumption | Self powered: DCin 9 - 54V, 10W Sum of both USB-8COM Plus 232 modules |
| DCin Supply | <ul style="list-style-type: none"> • DCin specs: Wide range 9 - 54V DC, 2x5W • 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 | 437×147×44 mm ³ (W×L×H) |
| Operating Temp | -25°C - 75°C |
| Storage Temp | -30°C - 85°C |
| Case | SECC sheet metal (0.8mm) |
| Weight | 1.9kg |
| Mounting | 19-inch Rack |
| LEDs | LEDs for Power, Ready, serial Tx, Rx |
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| ■ Standards | |
| Declarations | CE, FCC |
| EMI | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Serial Ports • USB • DC Power connector |
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| ■ Ordering Information | |
| 6624 | USB-16COM Plus 232 (16x 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

- 2x USB-8COM Plus 232 devices
- USB 2.0 High-Speed cable
- RK-NCP Mounting kit for 19-inch rack
- Terminal block for Power Supply
- 8 rubber feet for table mode

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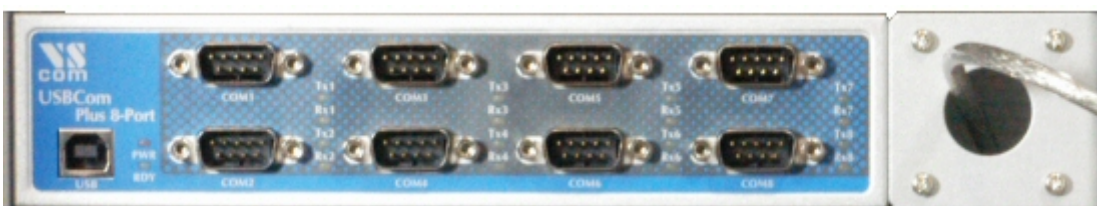
USB-16COM Plus 232

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USB-16COM Plus 232 Left Part=USB-8COM Plus 232

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RK-NCP
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USB-16COM Plus 232 Right Part=USB-8COM Plus 232
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USB-8 Port 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

Global Settings

Buffered Writes

Ignore Hardware Serial Number

Rename COM Port

Reload Driver

Refresh

OK

Cancel

Apply

Close All Ports

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