

Model Information



■ Main Features

- USB 2.0 to 16 x RS232
- High-Speed serial ports 921.6kbps
- Driver for Windows, Linux, Mac OS X
- LEDs for Power and TxD/RxD activity
- ESD protection on USB and serial ports
- Wide range of power input 9 - 54V DC
- Metal housing
- 19-inch rack and wall mounts
- Wide range of operating temperatures

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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 provides easy serial port expansion over USB 2.0 connecting to high speed RS232 devices. The device is fully ESD and surge protected, bus powered and accommodated in a ruggedized metal housing. Furthermore, it can operate across a large range of temperature levels to cope with harsh operating conditions. Actually it is a combination of two USB 8COM Plus 232 devices, mounted as a pair via a special Rack Mount kit. Lastly, both DIN-Rail and wall-mounting options are available.

■ 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	16 x RS232
Connector	DB-9 male
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 - 921.6/1000kbps
LEDs	TxD/RxD for each port
Connector	USB 2.0 High Speed type A, 500mA @5V at rear side
Expansion Ports	connect USB-xCOM Plus to add more serial ports, also electrically isolated

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■ Software

Drivers	<ul style="list-style-type: none"> • Windows 2000 to Windows 10 (x86 and x64) • Windows Server 2000 to 2016 (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	9-54V Dcin
Power Consumption	Self powered: DCin 9 - 54V, 10W Sum of both USB-8COM Plus 232 modules Plus 3W for Port Expansion
Connector	Self powered: 3-Pin Terminal Block

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■ Housing and Mounting

Case	0.8mm sheet metal
Weight	1.9kg, w/h box 3.0kg
Dimensions	437×147×44 mm ³ (W×L×H)
Packaged	310×192×120 mm ³
Mounting	19-inch Rack

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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 and Certifications

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 • DCin Power connector

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■ MTBF (Mean Time Between Failures)

MTBF	20.0 Years @ 25°C 11.5 Years @ 45°C
Standard	Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7
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■ Warranty	
Warranty Period	2 years
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■ Ordering Information	
6624	USB-16COM Plus 232 (16x RS232, non-isolated, expandable)
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■ Options	
6031	Power adapter 110-230V AC to 12V @1A, DC, EU plug
6034	Power adapter 110-230V AC to 12V @1A, DC, US plug
6061	DB9F-to-RJ45 for changing from DB9 to CAT5 wiring
6062	RJ45-to-DB9M for changing back from CAT5 to DB9 wiring (Required to match the DB9 pinout at USB-xCOM Plus)
661	Serial Null-Modem adapter 9PF-9PF, change male to female
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■ Packaging	
Packing list	<ul style="list-style-type: none"> • 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 is USB-8COM Plus 232

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RK-NCP

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USB-16COM Plus 232 Right Part is 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

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

(2021 Mar 19)