

Model Information



■ Main Features

- USB 2.0 to 2 x RS232 ports
- High-Speed Serial ports 460.8kbps
- Driver for Windows, Linux, Mac OS X
- LEDs for Power and TxD/RxD activity
- ESD protection on USB and serial ports
- Small metal housing and Bus powered
- DIN-Rail and Wall mount options
- Wide range operating temperature

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USB-2COM ECO (USB-2COM-M)

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■ More Pictures



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■ Overview

USB-2COM ECO provides easy serial port expansion over USB 2.0 connecting to RS232 devices over RJ45 connectors. It is fully ESD and surge protected, bus powered and accommodated in a very small metal housing. It works over a wide temperature range to cope with harsh operating conditions. DIN-Rail and Wall-mounting options are available.

RJ45-to-DB9M adapters needed to change wiring from CAT5 to DB9 are included. The customer supplies his own cables in suitable length.

Serial Ports Configuration

The serial ports fully support 8 x signals RS232 protocol. LEDs for PWR and TxD/RxD show the activity status for the user. Com Port Drivers are available for Windows, Linux and Mac OS X. A configuration tool, called USB-COM Configurator, allows easy access to special Windows driver options to optimise setting and performance.

High Speed Rates and ESD Protection

USB 2.0 full speed connection allows serial data rates of up to 460.8kbps. Every non-standard bitrate (e.g. 31250bps MIDI) can be easily set up. USB-COM ECO is fully ESD and surge protected at USB and serial port interfaces.

■ USB Interface

USB-Input	USB 2.0 Full Speed, USB 1.1 compliant
Connector	USB type B
Circuits	FTDI FT232RL

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■ Serial Interface

No. of Ports/Type	2 x RS232
Connector	RJ45 (8P8C) 8 pin 2 x RJ45-to-DB9M Adapters to change to DB9 wiring included
Protection	16kV ESD surge protection
Signals non-ISO	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	bicolour TxD/RxD for each port
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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	5V (USB)
Power Consumption	max 60mA, 300mW
Connector	USB Type B, bus powered, no external supply
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■ Housing and Mounting	
Case	0.8mm sheet metal
Weight	150g, w/h box 0.3kg
Dimensions	50×72×22 mm ³ (W×L×H) Case 72×72×22 mm ³ (W×L×H) with mounting wings
Packaged	85×122×55 mm ³
Mounting	Desktop use <ul style="list-style-type: none"> • DIN-Rail (optional) • Wall mount
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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	<ul style="list-style-type: none"> • EN 55022 Class B • 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	>Back to top
■ MTBF (Mean Time Between Failures)		
MTBF	139.2 Years @ 25°C 73.7 Years @ 45°C	
Standard	Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7	>Back to top
■ Warranty		
Warranty Period	2 years	>Back to top
■ Ordering Information		
614	USB-2COM ECO (2x RS232)	>Back to top
■ Options		
662	DK 35A DIN-Rail mounting kit	
661	Serial Null-Modem adapter 9PF-9PF, change male to female	>Back to top
■ Packaging		
Packing list	<ul style="list-style-type: none">• USB-2COM ECO device• USB 2.0 High-Speed cable• 2 adapters RJ45-TO-DB9M• 4 rubber feet for table mode	>Back to top

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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

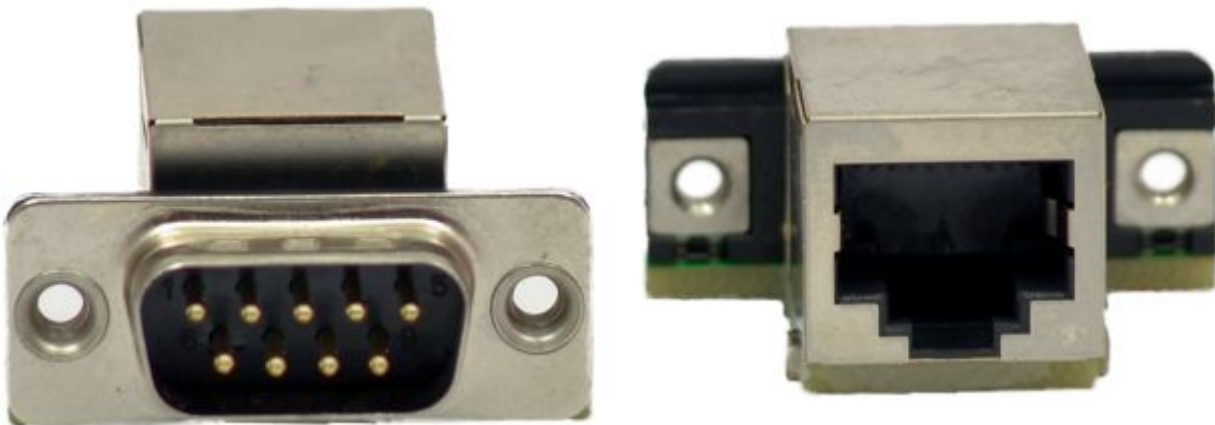
Refresh OK Cancel Apply

Close All Ports

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

Adapter to DB9 male (via Cat5)

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