

## Model Information



### ■ Features

- 1 x RS232/422/485 port
- USB 2.0 Full Speed interface
- 2.5kV isolation per serial port
- USB and serial ports ESD protected
- Robust metal case
- Jumperless, DIP ports configuration
- Serial speed max. 1000(RS232) / 3000(RS485) kbps
- DIN-Rail and Wall mount options
- Bus powered, no external power supply
- Wide range operating temperature (-25°C - +75°C)
- slim case

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## USB-COM Plus Mini ISO (USB-COMi SI-M)

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### ■ More Pictures



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### ■ Overview

The modern USB-COM Plus Mini ISO adapter connects one RS232 or RS422/485 device to your PC by a USB 2.0 Full Speed port. The serial port is isolated for 2.5kV. The serial port and USB are ESD protected, compliant to IEC 61000-4-2 (8kV contact/16kV air discharges).

The serial port supports RS232, RS422 and RS485 in Full-/Half-Duplex operation mode. The operation mode of the serial port is easy configured by one DIP. The configuration also activates built-in RS485 termination if required, no jumpers needed. Standard Drivers are available for all major operating systems.

The USB 2.0 Full-Speed enables serial data rates of up to 3Mbps in RS422/485 or 1000kbps in RS232 modes. The device also allows every non-standard bitrate up to 960 kbps.

The USB-COM Plus Mini ISO is an alternative to the VScom USB-COMi SI-M.

All USB-COM Plus devices can be used to expand the serial ports for [NetCom Plus Device Servers](#).

### ■ USB Interface

#### USB-Input

USB 2.0 Full Speed, USB 1.1 compliant

#### Connector

USB type B

**Protection** Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

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## ■ Serial Interface

### Port

- 1 x RS232/422/485 configured by DIP switch
- RS485 Termination configured by DIP switch
- Polarization/BIAS not required
- Connector DSub-9 male

### Speed

- RS232: 180bps - 921.6/1000kbps
- RS422: up to 3Mbps
- RS485: up to 3Mbps

### Available Modes

- RS232 full duplex
- RS422 full duplex
- RS485 4-wire, full duplex
- RS485 2-wire, half duplex (bus-mode)

### Signals

- RS232: TxD, RxD, RTS, CTS, GND
- RS422: Tx+/-, Rx+/-, GND
- RS485 4-wire: Tx+/-, Rx+/-, GND
- RS485 2-wire: Data+/-, GND

All signals isolated for 2.5kV

### Protection

- Galvanically isolated 2.5kV
- Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

### Configuration

One DIP switch defines operation mode and RS422/485 termination

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## ■ Software

### Driver

- 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

Installation by automatic download from the Internet

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## ■ Power and Environment

### Connector

USB bus powered, no external supply

### Protection

Compliant with IEC 61000-4-2 ESD 8kV contact / 16kV air discharge

### Dimension

50×72×22 mm<sup>3</sup> (W×L×H) Case  
72×72×22 mm<sup>3</sup> (W×L×H) with mounting wings

### Operating Temp

−25°C - 75°C

### Storage Temp

−30°C - 85°C

### Case

SECC sheet metal (0.8mm)

### Weight

150g

### Mounting

- DIN-Rail (optional)
- Wall mount (optional)

### LEDs

LEDs for Power, serial Tx, Rx

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## ■ Standards

### Declarations

CE, FCC

### EMI

- EN 55022 Class B
- 47 CFR FCC Part 15 Subpart B

### 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

<b>ESD</b>	EN 61000-4-2 4kV contact 8kV air for <ul style="list-style-type: none"> <li>• Serial Port</li> <li>• USB</li> </ul>	<a href="#">&gt;Back to top</a>
<b>■ Ordering Information</b>		
<b>656</b>	USB-COM Plus Mini ISO (1x RS232/422/485, isolated)	
<b>655</b>	USB-COM Plus Mini (1x RS232/422/485, non-isolated)	<a href="#">&gt;Back to top</a>
<b>■ Options</b>		
<b><u>662</u></b>	DK 35A DIN-Rail mounting kit	
<b><u>663</u></b>	5-pin Terminal block adapter to DB9 female	
<b><u>6061</u></b>	RJ45 adapter to DB9 female	
<b><u>661</u></b>	Serial Null-Modem adapter 9PF-9PF, change male to female	<a href="#">&gt;Back to top</a>
<b>■ Packaging</b>		
<b>Packing list</b>	<ul style="list-style-type: none"> <li>• USB-COM Plus Mini ISO device</li> <li>• USB 2.0 High-Speed cable</li> <li>• 4 rubber feet for table mode</li> </ul>	<a href="#">&gt;Back to top</a>



## 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

## Terminal Block Adapter

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