

Model Information



■ Features

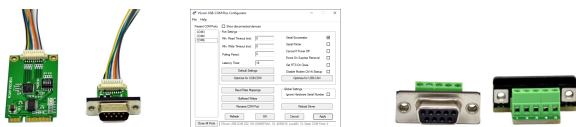
- 1 x RS232/422/485 port
- Mini PCI Express interface (USB 2.0)
- Serial port ESD protected
- Full length PCI Express Mini card
- Jumperless, DIP ports configuration
- Serial speed max. 1000(RS232) / 3000(RS485) kbps
- Powered by Mini PCI Express slot
- Wide range operating temperature (-25°C - +75°C)

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USB-COM Plus mPCIe

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■ More Pictures



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■ Overview

The USB-COM Plus mPCIe is a full-length add-on PCI Express Mini card. It connects one RS232 or RS422/485 device to your PC via an expansion slot Mini PCI Express, operating on USB 2.0 signals. The serial port is ESD protected, compliant to IEC 61000-4-2 (4kV contact/8kV 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 switch. 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.

■ USB Interface

USB-Input

USB 2.0 Full Speed, on Mini PCI Express Slot

Power

Powered by Mini PCI Express slot, max. 120 mA @ 3.3V (400mW)

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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 on case Adapter

Speed	<ul style="list-style-type: none"> • RS232: 180bps - 921.6/1000kbps • RS422: up to 3Mbps • RS485: up to 3Mbps
Available Modes	<ul style="list-style-type: none"> • RS232 full duplex • RS422 full duplex • RS485 4-wire, full duplex • RS485 2-wire, half duplex (bus-mode)
Signals	<ul style="list-style-type: none"> • RS232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND • RS422: Tx+/-, Rx+/-, GND • RS485 4-wire: Tx+/-, Rx+/-, GND • RS485 2-wire: Data+/-, GND
Protection	Compliant with IEC 61000-4-2 ESD 4kV contact / 8kV air discharge
Configuration	One DIP switch defines operation mode and RS422/485 termination

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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	max. 400mW
Power supply	max. 120mA @ 3.3V via slot Mini PCI Express
Dimension	30×51×3 mm ³ (W×L×H), Form-Factor long Mini PCI Express
Operating Temp	-25°C - 75°C
Storage Temp	-30°C - 85°C
Weight	20 g
LEDs	LEDs for Power, serial Tx, Rx

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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 Serial Port

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■ Ordering Information

600	USB-COM Plus mPCIE
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■ Options

663	5-pin Terminal block adapter to DB9 female
6061	RJ45 adapter to DB9 female
661	Serial Null-Modem adapter 9PF-9PF, change male to female

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■ Packaging

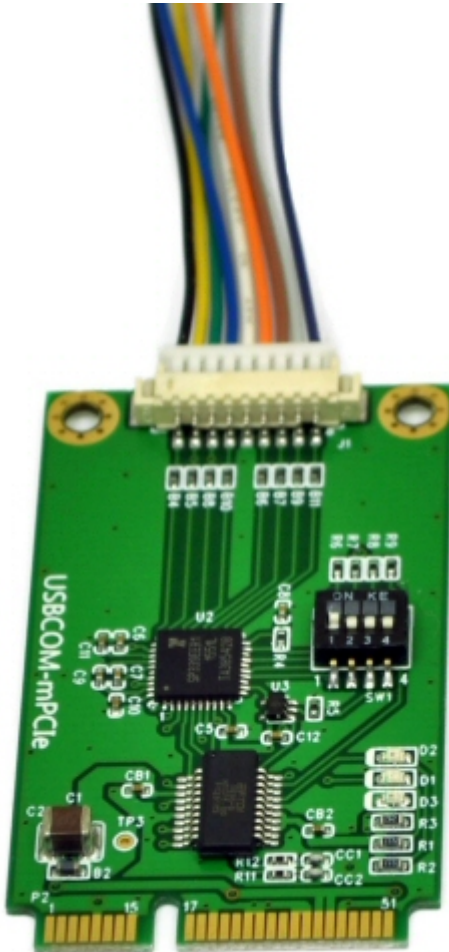
Packing list

- USB-COM Plus mPCIe card
- Connection cable to Adapter
- DB9 Adapter

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USB-COM Plus mPCIe

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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):

Min. Write Timeout (ms):

Polling Period:

Latency Timer:

Serial Enumerator

Serial Printer

Cancel If Power Off

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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