

Product Datasheet - Technical Specifications



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The USB-COM Plus adaptor connects up to 16 RS232 or RS422/RS485 devices to your PC by a USB 2.0 Full Speed port. The serial port(s) and USB are ESD protected, compliant to IEC 61000-4-2 (8 kV contact/ 16 kV air discharges), the ISO models are isolated for 2.5 kV.

The serial ports support RS232, RS422 and RS485 in full-/half-duplex operation mode. The operation mode of the serial ports is easily configured by one DIP switch. The configuration also activates built-in RS485 termination if required, no jumpers needed.

Standard drivers are available for major operating systems: 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.

- 1x, 2x, 4x, 8x, or 16x RS232/RS422/RS485 ports.
- USB 2.0 High Speed interface (USB 1.1 compliant).
- Models ISO/SI: 2.5 kV isolation per serial port.
- USB, serial ports and power supply ESD protected.
- Robust metal case.
- Jumperless, software and DIP ports configuration.
- Serial speed max. 1000 (RS232)/ 12000 (RS485) kbps.
- 1 and 2 port models: DIN-rail and wall mount, 4, 8, 16 port models: 19-inch and wall mount.
- 1 and 2 port models USB bus powered, 4, 8, 16 port models wide range DC-in 9...54 V, 4 W (external power supply/optional accessory).
- All USB-COM Plus devices can be used to expand the serial ports for NetCOM-PLUS device servers.
- Wide range operating temperature (-25...+75°C).

USB-COM-Plus Series



Model	Option ¹⁾	Conversion from	to ²⁾	Rate	Power supply
USB-COM Plus Mini	-ISO/SI	1 Port USB 2.0 Full Speed (USB 1.1 compliant); type B connector	1 Port RS232, RS422, RS485	RS232: 180 bps...921,6/1000 kbps; RS422: Bis 3 Mbps RS485: Bis 3 Mbps	USB
USB-COM Plus					
USB-2COM Plus					
USB-4COM Plus	-ISO/SI, -232 ⁴⁾		4 Port RS232, (RS422, RS485) ⁴⁾		USB and/or external, optional accessory ³⁾
USB-8COM Plus			8 Port RS232, (RS422, RS485) ⁴⁾		
USB-16COM Plus (= 2x USB-8COM Plus) ⁵⁾	-ISO, -232 ⁴⁾		16 Port RS232, (RS422, RS485) ⁴⁾		

1) Compliant with IEC 61000-4-2 ESD 8 kV contact/ 16 kV air discharge. ISO models: Galvanically isolated 2.5 kV.

2) 1 and 2 port models: Configured by DIP switch. 4, 8 and 16 port models: Configurable by software.

3) Power supply, 12 VDC/ 1 A.

4) Models -232 with RS232 only, no RS422/485.

5) The USB-16COM Plus consists of 2x USB-8COM Plus mounted together with the RK-NCP (included) and connected (see picture).