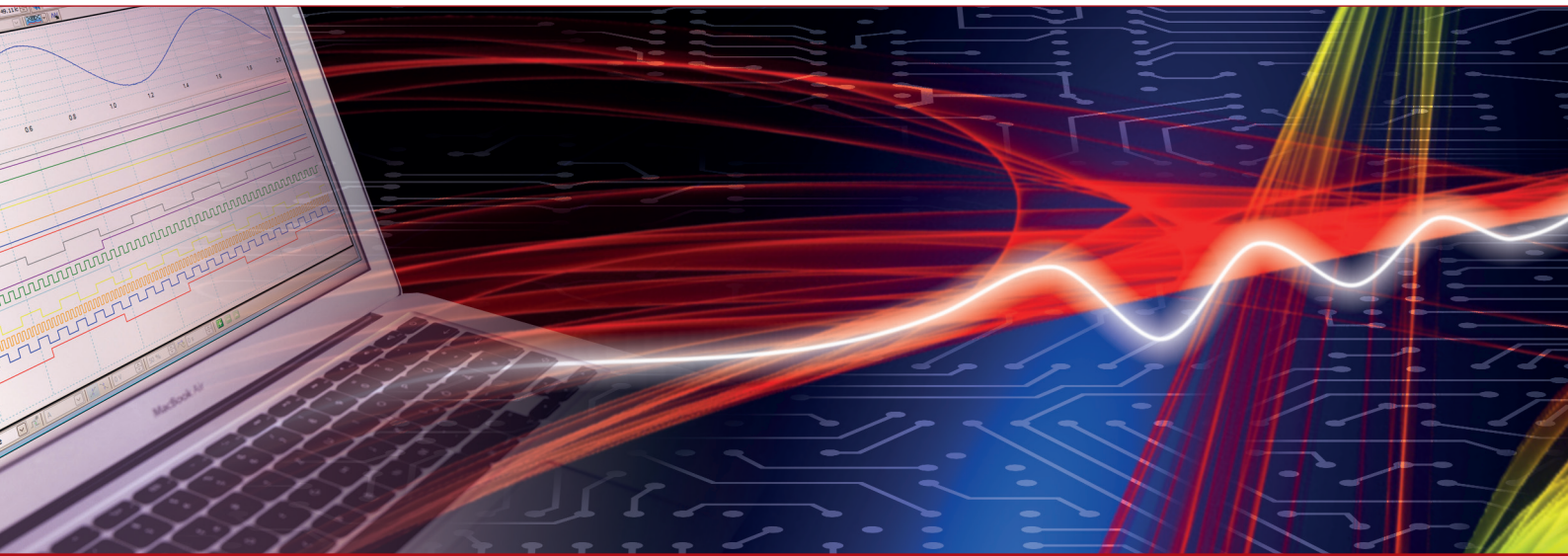


Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com and in our download section.

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USB-COM-M Series - Industrial Converters USB to up to 32-Port RS232/422/485



Benefits

- ✓ Converters from USB to RS232/422/485.
- ✓ Robust metal case for use in industrial applications.
- ✓ Wall or DIN-rail mountable.

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USB-COM-M, USB-COM-SI-M

- Adds a high speed RS232 serial port by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- **Serial port with surge protection of 10 kV.**
- Model SI: 2000 Vdc **optical isolation for all signals.**
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy plug and play installation and RS232 device connection.
- 9-pin D-sub male connector.

USB-COMi-M

- Adds a high speed RS232/422/485 serial port by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- Provides +5 Vdc for external devices.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS232/422/485 device connection.
- 9-pin D-sub male and 6-pin terminal block.

USB-COMi-SI-M

- Adds a high speed RS232/422/485 serial port by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 25 kV.
- 2000 Vdc **optical isolation for all signals.**
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- 9-pin D-sub male connector and 6-pin terminal block.

USB-2COM-M, USB-2COM-SI-M

- Adds two high speed RS232 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- Model SI: 2000 Vdc **optical isolation for all signals.**
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- Provides +5 Vdc for external devices.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy Plug&Play installation and RS232 device connection.
- 9-pin D-sub male connectors.

USB-2COMi-M

- Adds two high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- 9-pin D-sub male connector and 6-pin terminal block.

USB-2COMi-SI-M

- Adds two high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 25 kV.
- 2000 Vdc **optical isolation for all signals.**
- SECC metal chassis with DIN-rail bracket.
- Powered by USB port, no external power adapter required.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- 9-pin D-sub male connector and 6-pin terminal block.

Model	USB-COM-M	USB-COM-SI-M	USB-COMi-M	USB-COMi-SI-M
USB	USB 1.0/ 1.1 compliant, USB 2.0 and 3.0 compatible			
Speed	12 Mbps, USB FullSpeed			
FIFO transmit receive	128 byte 384 byte			512 byte 512 byte
Serial	RS232	RS232	RS232, RS422, RS485	RS232, RS422, RS485
Number of ports	1	1	1	1
Speed	921.6 kbps for transmit and receive			
Connector	9-pin D-sub male		9-pin D-sub male, 6-pin terminal block	
Signals	RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI		TxD, RxD, RTS, CTS, GND
	RS422	-		TxD-, TxD+, RxD+, RxD-, GND, RTS+, RTS-, CTS+, CTS-
	RS485	-		4-wire: TxD-, TxD+, RxD+, RxD-, GND; 2-wire: Data-, Data+, GND
Data bits stop bits	5, 6, 7, 8 1, 1.5, 2			
Parity flow control	None, odd, even, mark, space hardware (RTS, CTS), XOn/XOff			
Protection	10 kV ESD protection*	25 kV ESD protection*	10 kV ESD protection*	25 kV ESD protection*
	-	2000 VDC optical isolation*	-	2000 VDC optical isolation*
Power	USB powered (power/5 V supplied via USB connector)			
Casing	SECC metal chassis with DIN-rail bracket			
Environmental	Temperature 0...+55°C (operating), -20...+75°C (storage); 5...95% rel. operating humidity			
Safety approvals	CE, FCC			
Supported OS	Windows XP to 10, Server 2000 to 2016 (WHQL certified); Linux Kernel 2.4 and above; Mac OS X 10.9 and above, driver signed by Apple			

* For all signals.

Model	USB-2COM-M	USB-2COM-SI-M	USB-2COMi-M	USB-2COMi-SI-M
USB	USB 1.0/ 1.1 compliant, USB 2.0 and 3.0 compatible			
Speed	12 Mbps, USB FullSpeed			
FIFO transmit receive	128 byte 384 byte			
Serial	RS232	RS232	RS422, RS485	RS422, RS485
Number of ports	2	2	2	2
Speed	921.6 kbps for transmit and receive			
Connector	9-pin D-sub male		9-pin D-sub male, 6-pin terminal block	
Signals	RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI	-	
	RS422	-	TxD-, TxD+, RxD+, RxD-, GND, RTS+, RTS-, CTS+, CTS-	
	RS485	-	4-wire: TxD-, TxD+, RxD+, RxD-, GND; 2-wire: Data-, Data+, GND	
Data bits stop bits	5, 6, 7, 8 1, 1.5, 2			
Parity flow control	None, odd, even, mark, space hardware (RTS, CTS), XOn/XOff			
Protection	10 kV ESD protection *	25 kV ESD protection *	10 kV ESD protection *	25 kV ESD protection *
	-	2000 VDC optical isolation *	-	2000 VDC optical isolation *
Power	USB powered (power/5 V supplied via USB connector)			
Casing	SECC metal chassis with DIN-rail bracket			
Environmental	Temperature 0...+55°C (operating), -20...+75°C (storage); 5...95% rel. operating humidity			
Safety approvals	CE, FCC			
Supported OS	Windows XP to 10, Server 2000 to 2016 (WHQL certified); Linux Kernel 2.4 and above; Mac OS X 10.9 and above, driver signed by Apple			

USB-COM-M Series - Industrial Converters USB to up to 32-Port RS232/422/485



The **USB-COM-M series** are industrial converters from USB to serial COM RS232 and/or RS422/RS485 with up to 32 ports. They match the requirements of many industrial applications: They are wall and/or DIN-rail mountable and have rugged metal housings. Depending on the port number they are powered by USB, from an external power supply adaptor, or from an internal power supply/mains supply. All models have ESD protection for all lines, the models SI have additional optical isolation for all lines.

► www.meilhaus.de/en/infos/titan



USB-4COM-M, USB-4COM-SI-M

- Adds four high speed RS232 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- Model SI: 2000 Vdc **optical isolation for all signals**.
- SECC metal chassis suitable for DIN-rail mounting.
- Powered by USB port, no external power adapter required.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy Plug&Play installation and RS232 device connection.
- 9-pin D-sub male connectors.

USB-4COMi-M

- Adds four high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis suitable for DIN-rail mounting.
- Powered by external power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- Non-standard baudrates supported.
- 9-pin D-sub male connectors.

USB-4COMi-SI-M

- Adds four high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 25 kV.
- 2000 Vdc **optical isolation for all signals**.
- SECC metal chassis suitable for DIN-rail mounting.
- Powered by external power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- Non-standard baudrates supported.
- 9-pin D-sub male connectors.

USB-8COM-M

- Adds eight high speed RS232 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis suitable for DIN-rail mounting.
- Powered by external power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy Plug&Play installation and RS232 device connection.
- 9-pin D-sub male connectors.

USB-8COMi-M

- Adds eight high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis suitable for DIN-rail mounting.
- Powered by external power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS422/485 device connection.
- Non-standard baudrates supported.
- 9-pin D-sub male connectors.

USB-8COMi-RM

- Adds eight high speed RS232/422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal 19" rackmount chassis, also suitable for DIN-rail mounting.
- Powered by mains power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS232/422/485 device connection.
- Non-standard baudrates supported.
- 9-pin D-sub male connectors.

Model	USB-4COM-M	USB-4COM-SI-M	USB-4COMi-M	USB-4COMi-SI-M
USB	USB 1.0/ 1.1 compliant, USB 2.0 and 3.0 compatible			
Speed	480 Mbps, USB HiSpeed		12 Mbps, USB FullSpeed	
FIFO transmit receive	128 byte		384 byte	
Serial	RS232	RS232	RS422, RS485	RS422, RS485
Number of ports	4	4	4	4
Speed	921.6 kbps for transmit and receive			
Connector	9-pin D-sub male	9-pin D-sub male	9-pin D-sub male	9-pin D-sub male
Signals	RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI	-	
	RS422	-	TxD-, TxD+, RxD+, RxD-, GND, RTS+, RTS-, CTS+, CTS-	
	RS485	-	4-wire: TxD-, TxD+, RxD+, RxD-, GND; 2-wire: Data-, Data+, GND	
Data bits stop bits	5, 6, 7, 8 1, 1.5, 2			
Parity flow control	None, odd, even, mark, space hardware (RTS, CTS), XOn/XOff			
Protection	10 kV ESD protection*	25 kV ESD protection*	10 kV ESD protection*	25 kV ESD protection*
	-	2000 VDC optical isolation*	-	2000 VDC optical isolation*
Power	USB powered	External power adaptor 5 VDC/ 2 A		
Casing	SECC metal chassis suitable for DIN-rail mounting			
Environmental	Temperature 0...+55°C (operating), -20...+75°C (storage); 5...95% rel. operating humidity			
Safety approvals	CE, FCC			
Supported OS	Windows XP to 10, Server 2000 to 2016 (WHQL certified); Linux Kernel 2.4 and above; Mac OS X 10.9 and above, driver signed by Apple			

* For all signals.

Model	USB-8COM-M	USB-8COMi-M	USB-8COMi-RM
USB	USB 1.0/1.1 compliant, USB 2.0 and 3.0 compatible		
Speed	480 Mbps, USB HiSpeed	12 Mbps, USB FullSpeed	
FIFO transmit receive	128 byte 384 byte		
Serial	RS232	RS422, R485	RS232, RS422, RS485
Number of ports	8	8	8
Speed	921.6 kbps for transmit and receive		
Connector	9-pin D-sub male		
Signals	RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI
	RS422	-	TxD-, TxD+, RxD+, RxD-, GND, RTS+, RTS-, CTS+, CTS-
	RS485	-	4-wire: TxD+, TxD-, RxD+, RxD-, GND; 2-wire: Data-, Data+, GND
Data bits stop bits	5, 6, 7, 8 1, 1.5, 2		
Parity flow control	None, odd, even, mark, space hardware (RTS, CTS), XOn/XOff		
Protection	10 kV ESD protection *		
	-		
Power	External power adaptor 12 VDC/2 A		Mains power 100...240 VAC
Casing	SECC metal chassis suitable for DIN-rail mounting (model RM: Rackmount brackets included)		
Environmental	Temperature 0...+55°C (operating), -20...+75°C (storage); 5...95% rel. operating humidity		
Safety approvals	CE, FCC		
Supported OS	Windows XP to 10, Server 2000 to 2016 (WHQL certified); Linux Kernel 2.4 and above; Mac OS X 10.9 and above, driver signed by Apple		

USB-COM-M Series - Industrial Converters USB to up to 32-Port RS232/422/485



USB-16COM(i)-RM

- Adds sixteen high speed RS232/422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal 19" rackmount chassis, also suitable for DIN-rail mounting.
- Powered by mains power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy Plug&Play installation and RS232/422/485 device connection.
- Model i: Automatic transmit and receive control for 2-wire RS485 half-duplex mode. Built-in termination and biasing.
- 9-pin D-sub male connectors.

USB-16COMi-M

- Adds sixteen high speed RS422/485 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal chassis suitable for DIN-rail mounting. Standard 19", 1 U rackmount chassis.
- Powered by mains power supply.
- LEDs indicate power, TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Automatic transmit and receive control for 2-wire RS485 half-duplex mode.
- Built-in termination and biasing.
- Easy Plug&Play installation and RS-422/485 device connection.
- Non-standard baudrates supported.
- 9-pin D-sub male connectors.

USB-32COM-RM

- Adds thirty-two high speed RS232 serial ports by connecting to a USB port.
- Serial baud rate up to 921.6 kbps.
- Serial port with surge protection of 10 kV.
- SECC metal 19" rackmount chassis, also suitable for DIN-rail mounting.
- Powered by mains power supply.
- LEDs indicate TxD and RxD for easy port monitoring and diagnosis.
- Installs as a standard Windows COM port.
- Full RS232 modem control signals and hardware/software flow control.
- Non-standard baudrates supported.
- Easy Plug&Play installation and RS-232 device connection.
- RJ45 connectors and 32 cables RJ45 to 9-pin D-sub male included (150 cm).

Model	USB-16COM-RM		USB-16COMi-M	USB-16COMi-RM	USB-32COM-RM
USB	USB 1.0/1.1 compliant, USB 2.0 and 3.0 compatible				
Speed	480 Mbps, USB HiSpeed				
FIFO transmit receive	128 byte 384 byte				
Serial	RS232		RS422, RS485	RS232, RS422, RS485	RS232
Number of ports	16		16	16	32
Speed	921.6 kbps for transmit and receive				
Connector	9-pin D-sub male				RJ45**
Signals	RS232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI		TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI	
	RS422	-	TxD-, TxD+, RxD+, RxD-, GND, RTS+, RTS-, CTS+, CTS-		-
	RS485	-	4-wire: TxD-, TxD+, RxD+, RxD-, GND; 2-wire: Data-, Data+, GND		-
Data bits stop bits	5, 6, 7, 8 1, 1.5, 2				
Parity flow control	None, odd, even, mark, space hardware (RTS, CTS), XOn/XOff				
Protection	10 kV ESD protection*				
Power	Mains power 100...240 VAC				
Casing	SECC metal chassis suitable for DIN-rail mounting (Rackmount brackets included)				
Environmental	Temperature 0...+55°C (operating), -20...+75°C (storage); 5...95% rel. operating humidity				
Safety approvals	CE, FCC				
Supported OS	Windows XP to 10, Server 2000 to 2016 (WHQL certified); Linux Kernel 2.4 and above; Mac OS X 10.9 and above, driver signed by Apple				

* For all signals.

** 32 cables RJ45 to 9-pin D-sub male included (150 cm).

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