

Product Datasheet - Technical Specifications



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The latest PCs or notebooks are all equipped with USB ports, COM ports are mostly obsolete. The USB-COMi converters have been developed to allow quick and easy expansion of communication interfaces in industrial environments. They are converters from USB to serial COM and allow you to connect classic serial devices with RS232/RS485 to USB ports.

The USB Industrial I/O adapters provide instant connectivity to RS-422/RS485 communication device for factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminals, PC to PC long distance communications and serial communication.

The adapters are USB-powered, no additional power adaptor is required. They have compact, economic plastic housings and can be used for mobile applications.

- Converter USB to 2x serial COM/RS232.
- Rates up to 921.6 kbps.
- Send and transmit FIFO.
- USB 1.1 FullSpeed (USB 2.0/3.0 compatible).
- 10 kV ESD protection for all signals (USB-COMi).
- 25 kV ESD protection for all signals, 2000 VDC optical isolation for all signals (USB-COMi-SI).
- USB-powered - no additional power supply adaptor required.

Model overview



		USB-COMi	USB-COMi-SI
USB	Compliance	USB 1.0/1.1 compliant, USB 2.0 und 3.0 compatible	
	Speed	12 Mbps, FullSpeed	
	FIFO	128 byte transmit/384 byte receive	
Serial interface	Number/type	1x RS422/RS485; 9-pin D-sub male	
	Speed	921,6 kbps for transmit and receive	
	Signals	RS422: TxD-, TxD+, RxD+, RxD-, GND, RTS-, RTS+, CTS-, CTS+ RS485: 2-wire Data+, Data-, GND	
	Protection	10 kV ESD protection for all signals	25 kV ESD protection for all signals, 2000 VDC optical isolation for all signals
	Serial-Com parameters	Data bits: 7, 8; parity: None, odd, even, mark, space; stop bit: 1, 1.5, 2; flow control: Hardware (RTS, CTS), XON/XOFF	
General	Power	USB bus-powered	
	Casing	Plastic, ABS	
	Environmental	Operating temperature 0...55°C; 5...95% rel. humidity (operating); storage temperature -20...+75°C	
	Safety approvals	CE, FCC	