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Data Sheet

8-Port Industrial USB to RS-232/422/485 Serial Adapter - 15 kV ESD Protection

Product ID: ICUSB234858I



Add extra COM ports to your laptop or desktop computer, quickly and easily. This USB to RS232/422/485 serial adapter lets you connect to your serial devices through an external USB port.

Supports multiple serial protocols

The versatile serial adapter converts a single USB port into eight RS232/RS422/RS485 serial ports, enabling you to connect, monitor, and control a wide range of serial devices, such as sensors, barcode scanners, and LED signage. It supports four operating modes, including RS232, RS422, 4-wire and 2-wire RS485.

Ideal for harsh environments

With its rugged IP30-rated metal hub housing, the serial adapter is built to meet the extreme demands of harsh and mission-critical environments. It provides 15 kV ESD protection, which helps to reduce downtime in industrial environments where communications lines are more prone to noise emissions or sudden spikes in voltage.

The serial adapter offers flexible mounting options, with a built-in wall-mounting bracket and included DIN rail mounting kit. It also features a screw-locking host connection plus a screw-locking USB-B connector on the included USB cable, to prevent accidental disconnections.

Fast data transfers

The serial adapter is equipped with high-speed UARTs, providing fast data rates of up to 921Kbps in RS232/422/485 operating modes.

The ICUSB234858I is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS & REACH DOWNLOAD DECLARATION

TAA COMPLIANT

Applications

- Connect your RS232, RS422 and RS485 serial devices through your computer's USB port for easy access to barcode scanners, receipt printers and other serial devices
- Connect, monitor and control industrial/automotive sensors and equipment
- Program LED and digital signage boards with serial communication ports
- Connect a satellite receiver, serial modem, or PDA with serial sync

Features

- Converts a single USB port into eight RS232/RS422/RS485 serial ports over USB 2.0 with four modes: RS232, RS422, 4-wire and 2-wire RS485
- 15 kV ESD protection (Level 4) against noise emissions and electrical voltage surges
- DIN rail and wall mountable
- Rugged IP30 rated metal hub housing and screw-locking host connection, ideal for harsh industrial environments
- Data transfer baud rate up to 921.6Kbps
- Single USB 2.0 hub port (pass-through) for daisy chaining, or for connecting an additional USB device to the host
- COM port expansion with COM retention
- Self-powered with included external power adapter

	Warranty	2 Years
Hardware	Bus Type	USB 2.0
	Chipset ID	FTDI - FT4232H Genesys Logic - GL825
	Interface	Serial
	Port Style	External Hub
	Ports	8
Performance	Buffer Size	2 KB
	Data Bits	7, 8
	Max Baud Rate	921.6 Kbps
	Maximum Data Transfer Rate	921.6 Kbps
	Parity	Odd, Even, Mark, Space, None
	Serial Protocol	RS-232/422/485
	Stop Bits	1, 2
	Surge Protection	15 kV ESD Surge Protection
Connector(s)	External Ports	1 - USB Type-B (4 pin) USB 2.0 Female
		8 - DB-9 (9 pin, D-Sub) Male
		1 - USB Type-A (4 pin) USB 2.0 Female
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Mac OS® 10.9 to 10.14 Linux 2.4.x to 4.11.x *LTS Versions only*
Indicators	LED Indicators	8 - Sets of 4 - port mode
		8 - Port send
		8 - Port receive
		1 - Power
Power	Input Current	1 A
	Input Voltage	100 ~ 240 AC
	Output Current	3.0 A
	Output Voltage	12 DC
	Plug Type	M
	Power Consumption (In Watts)	36 W
	Power Source	AC Adapter Included

Environmental	Humidity	5~95% RH
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Physical Characteristics	Color	Black
	Enclosure Type	Steel
	Product Height	1 in [2.5 cm]
	Product Length	8.6 in [21.9 cm]
	Product Width	5 in [12.8 cm]
	Weight of Product	24.3 oz [688 g]
Packaging Information	Package Height	2.6 in [67 mm]
	Package Length	11.4 in [29 cm]
	Package Width	7.5 in [19 cm]
	Shipping (Package) Weight	3.4 lb [1.6 kg]
What's in the Box	Included in Package	1 - USB serial hub
		1 - 6 ft. [2 m] USB-B with screw lock to USB-A cable
		1 - DIN rail kit
		1 - universal power adapter (NA/JP, UK, EU, ANZ)
		1 - instruction manual

Product appearance and specifications are subject to change without notice.