16-Port USB-to-Serial Adapter Hub

Product ID: ICUSB23216FD

Here's an easy and cost-efficient way to add RS232 serial capability to your industrial setting. This 16-port USB-to-serial adapter hub features a sturdy, rack-mountable chassis, and supports daisy chaining, so you can connect multiple hubs together to increase your serial device port count.

This rack-mountable USB serial hub (FTDI) lets you add 16 serial ports (RS232), with full control from your desktop or laptop computer system using a single USB port. The daisy-chain function gives you a cost-effective and scalable way to increase your serial port count and expand as your needs grow, without investing in a higher cost serial hub.

Providing full control of your serial components from a single device, the USB serial hub is ideal for a multitude of applications including: industrial automation, self-serve automated kiosks, and monitoring of cameras and security systems.

The hub features COM port retention, which retains the assigned serial COM port values. This ensures that the same values are automatically re-assigned to the port provided by the adapter, in the event it is disconnected and re-connected to the host computer.

The hub features a reliable FTDI USB-to-serial chipset, which provides easy installation into a broad range of operating systems.

With its all-metal chassis, this rugged, rack-mountable hub fits into standard 19-inch server storage racks to provide an efficient industrial serial solution. It supports an extended operating temperature range of -40C to 85C (-40F to 185F), ensuring reliable performance even in the harshest environments. The USB-serial hub includes both an AC adapter and terminal block power, providing versatile power options.

The ICUSB23216FD is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Ideal for industrial automation on factory and manufacturing floors

• Provides full control of your server room serial components from a single device

• Control and monitoring of surveillance and security cameras and systems

• Self-service automated machines and kiosks (grocery, airport) to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers

• POS control of keyboards, cash drawers, receipt printers, card readers and card swipes, scales, and elevated displays on poles

• Bank teller workstations, in either full-profile or low-profile versions, to control serial devices such as cash drawers, card readers and card swipes, printers, keypads and pin pads, pen pads

Features

• Gain 16 RS232 serial port interfaces through a single USB port

• Connect multiple hubs together through daisy chain functionality

• 921.6Kbps baud per port

• 256-byte transmit, 128-byte receive FIFO

• Rack-mountable design

• COM port retention

• Extended operating temperature range: -40C to 85C (-40F to 185F)

• Durable all-metal chassis

• Low USB bandwidth consumption

• USB 2.0 compatible

• Fully integrated USB termination resistor

• Device supplied pre-programmed with unique USB serial number

Hardware

	Warranty	2 Years
	Ports	16
	Interface	Serial
	Bus Type	USB 2.0
	Port Style	External Hub
	Chipset ID	FTDI - FT232RL

Performance

	Maximum Data Transfer Rate	480 Mbps
	Serial Protocol	RS-232
	Max Baud Rate	921.6 Kbps
	Data Bits	7, 8
	FIFO	256 Bytes
	Parity	Odd, Even, Mark, Space, None
	Stop Bits	1, 2
	MTBF	49,337 hours

Connector(s)

	Connector Type(s)	1 - USB B (4 pin)
		16 - DB-9 (9 pin, D-Sub)

Software

	OS Compatibility	Windows CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11
		Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
		macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0

Linux Kernel 3.0.x and up (LTS Versions Only)</i>

Indicators

	LED Indicators	16 - Data Transmit
		16 - Data Receive

Power

	Power Source	AC Adapter Included
	Input Voltage	100 - 240 AC
	Input Current	1.5 A
	Output Voltage	12V DC
	Output Current	3 A
	Center Tip Polarity	Positive
	Plug Type	N
	Power Consumption (In Watts)	36

Environmental

	Operating Temperature	-40C to 85C (-40F to 185F)
	Storage Temperature	-65C to 150C (-85F to 302F)
	Humidity	20~80% RH (Non-condensing)

Physical Characteristics

	Color	Black
	Material	Steel
	Product Length	16.9 in [43 cm]
	Product Width	4.7 in [12 cm]
	Product Height	1.8 in [4.5 cm]
	Weight of Product	3.4 lb [1.6 kg]

Packaging Information

Package Length	17.7 in [45.0 cm]	
Package Width	8.6 in [21.8 cm]	
Package Height	2.5 in [6.4 cm]	
Shipping (Package) Weight	5.0 lb [2.3 kg]	

What's in the Box

Included in Package	1 - 16-port USB to RS232 hub
	1 - USB cable
	2 - rack mounting brackets
	8 - rack mounting screws
	2 - DIN rail mounting brackets
	4 - DIN rail mounting screws
	4 - washers
	4 - nuts
	1 - universal power adapter (NA/JP, EU, UK, ANZ)
	1 - driver CD
	1 - terminal block plug
	1 - quick-start guide

*Product appearance and specifications are subject to change without notice.