

16-Port USB-to-Serial Adapter Hub

StarTech 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.

A scalable solution for changing needs

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.

Built-in convenience

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.

Meets the demands of industrial environments

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 -40°C to

85°C (-40°F to 185°F), 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.

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: -40°C to 85°C (-40°F to 185°F)
- Durable all-metal chassis
- Low USB bandwidth consumption
- USB 2.0 compatible
- Configurable I/O pin output drive strength
- Fully integrated USB termination resistor
- Device supplied pre-programmed with unique USB serial number

Technical Specifications

Warranty	2 Years
Bus Type	USB 2.0
Chipset ID	FTDI - FT232RL
Interface	Serial
Port Style	External Hub
Ports	16
Data Bits	7, 8
FIFO	256 Bytes
Max Baud Rate	921.6 Kbps
Maximum Data Transfer Rate	480 Mbps
Parity	Odd, Even, Mark, Space, None
Serial Protocol	RS-232
Stop Bits	1, 2
Connector Type(s)	1 - USB B (4 pin) Female
Connector Type(s)	16 - DB-9 (9 pin, D-Sub) Male
LED Indicators	16 - Data Receive
LED Indicators	16 - Data Transmit
Center Tip Polarity	Positive
Input Current	1.5 A
Input Voltage	100 ~ 240 AC
Output Current	3 A
Output Voltage	12 DC
Plug Type	N
Power Consumption	36 W Max.
Power Source	AC Adapter Included
Humidity	20~80% RH (Non-condensing)
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Storage Temperature	-65°C to 150°C (-85°F to 302°F)
Color	Black
Enclosure Type	Steel
Product Height	1.8 in [45 mm]
Product Length	16.9 in [430 mm]
Product Weight	54.7 oz [1550 g]

Product Width	4.7 in [120 mm]
Shipping (Package) Weight	5.1 lb [2.3 kg]
Included in Package	1 - 16-port USB to RS232 hub
Included in Package	1 - USB cable
Included in Package	2 - rack mounting brackets
Included in Package	8 - rack mounting screws
Included in Package	2 - DIN rail mounting brackets
Included in Package	4 - DIN rail mounting screws
Included in Package	4 - washers
Included in Package	4 - nuts
Included in Package	1 - universal power adapter (NA/JP, EU, UK, ANZ)
Included in Package	1 - driver CD
Included in Package	1 - terminal block plug
Included in Package	1 - quick-start guide

Certifications, Reports and Compatibility

