

## 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.

### **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.

### 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: -40°C to 85°C (-40°F to 185°F)
- 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

|                      |                              |  |
|----------------------|------------------------------|--|
| <b>Hardware</b>      | Warranty                     | 2 Years  |
|                      | Bus Type                     | USB 2.0  |
|                      | Chipset ID                   | FTDI - FT232RL   |
|                      | Interface                    | Serial   |
|                      | Port Style                   | External Hub   |
|                      | Ports                        | 16   |
| <b>Performance</b>   | 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   |
| <b>Connector(s)</b>  | Connector Type(s)            | 1 - USB B (4 pin) Female<br>16 - DB-9 (9 pin, D-Sub) Male  |
|                      |                              |  |
| <b>Software</b>      | OS Compatibility             | Windows® CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10<br>Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016, 2019<br>Mac OS® 10.6 to 10.15<br>Linux 2.4.x to 4.9.x <i>LTS Versions only</i> |
| <b>Indicators</b>    | LED Indicators               | 16 - Data Receive<br>16 - Data Transmit  |
|                      |                              |  |
| <b>Power</b>         | Center Tip Polarity          | Positive   |
|                      | Input Current                | 1.5 A  |
|                      | Input Voltage                | 100 - 240 AC   |
|                      | Output Current               | 3 A  |
|                      | Output Voltage               | 12V DC   |
|                      | Plug Type                    | N  |
|                      | Power Consumption (In Watts) | 36   |
|                      | Power Source                 | AC Adapter Included  |
| <b>Environmental</b> | 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)  |

|                                 |                           |  |
|---------------------------------|---------------------------|--|
| <b>Physical Characteristics</b> | Color                     | Black  |
|                                 | Material                  | Steel  |
|                                 | Product Height            | 1.8 in [4.5 cm]                                  |
|                                 | Product Length            | 16.9 in [43 cm]                                  |
|                                 | Product Width             | 4.7 in [12 cm]                                   |
|                                 | Weight of Product         | 3.4 lb [1.6 kg]                                  |
| <b>Packaging Information</b>    | Package Height            | 2.4 in [61 mm]                                   |
|                                 | Package Length            | 17.8 in [45.1 cm]                                |
|                                 | Package Width             | 8.5 in [21.5 cm]                                 |
|                                 | Shipping (Package) Weight | 5.1 lb [2.3 kg]                                  |
| <b>What's in the Box</b>        | 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.