

8 Port Serial Hub USB to RS232/RS485/RS422 Adapter - Industrial USB 2.0 to DB9 Serial Converter Hub - IP30 Rated - Din Rail Mountable Metal Serial Hub - 15kV ESD Protection - TAA

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.

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.

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.

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





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

- **RUGGED & RELIABLE:** This industrial metal USB to serial adapter hub adds 8 RS-232/422/485 ports & 1 USB 2.0 port w/ 15kV ESD surge protection (level 4), IP30 rating & locking connectors on all ports
- **8 SERIAL PORTS:** The ports on this USB to serial converter can be individually configured to RS232, RS422 or RS485 (2wire/4wire) at baud rates up to 921.6Kbps for devices like barcode scanners/printers
- **MOUNTING OPTIONS:** This metal mountable 8-port serial hub w/ 6ft (1.8 m) screw-lock USB cable incl. installs securely to a desk, wall or DIN rail using the built-in mounting ears & incl. DIN brackets
- **FLEXIBLE POWER:** This serial hub can be powered with either the 12V screw-locking power adapter or the 5V USB input, while each serial port (pin 9) can be set to 5V, 12V (power adapter required), or 0V
- **WIDELY COMPATIBLE:** To connect industrial grade equipment to any terminal, the USB to multiple DB9 male serial converter supports current and legacy Windows, Linux, macOS, as well as embedded platforms

Hardware

| | |
|------------|----------------|
| Warranty | 2 Years |
| Ports | 8 |
| Interface | Serial |
| Bus Type | USB 2.0 |
| Port Style | External Hub |
| Chipset ID | FTDI - FT4232H |

Genesys Logic - GL825

Performance

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|----------------------------|------------------------------|
| Maximum Data Transfer Rate | 921.6 Kbps |
| Serial Protocol | RS-232/422/485 |
| Max Baud Rate | 921.6 Kbps |
| Data Bits | 7, 8 |
| Buffer Size | 2 KB |
| Parity | Odd, Even, Mark, Space, None |
| Stop Bits | 1, 2 |
| Surge Protection | 15 kV ESD Surge Protection |
| MTBF | 175,901 Hours |

Connector(s)

| | |
|----------------|--|
| External Ports | 8 - DB-9 (9 pin, D-Sub) 1 - USB Type-B (4 pin) USB 2.0 1 - USB 2.0 Type-A (4 pin, 480Mbps) |
|----------------|--|

Software

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|------------------|---|
| OS Compatibility | Windows 7, 8, 8.1, 10, 11, 11 ARM Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022 macOS 10.9 to 10.15, 11.0, 12.0, 13.0, 14.0, 15.0, 26.1 Linux 2.4.x and up - LTS Versions only |
|------------------|---|

Indicators

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|----------------|---|
| LED Indicators | 8 - Sets of 4 - port mode 8 - Port send 8 - Port receive 1 - Power |
|----------------|---|

Power

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|------------------------------|---------------------|
| Power Source | AC Adapter Included |
| Input Voltage | 100 - 240 AC |
| Input Current | 1 A |
| Output Voltage | 12V DC |
| Output Current | 3.0 A |
| Plug Type | M |
| Power Consumption (In Watts) | 36 W |

Environmental

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|-----------------------|---------------------------|
| Operating Temperature | 0C to 55C (32F to 131F) |
| Storage Temperature | -20C to 85C (-4F to 185F) |
| Humidity | 5~95% RH |

Physical Characteristics

| | |
|-------------------|------------------|
| Color | Black |
| Material | Steel |
| Product Length | 8.6 in [21.9 cm] |
| Product Width | 5.0 in [12.8 cm] |
| Product Height | 1.0 in [2.5 cm] |
| Weight of Product | 24.3 oz [688 g] |

Packaging Information

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|---------------------------|-------------------|
| Package Quantity | 1 |
| Package Length | 11.6 in [29.4 cm] |
| Package Width | 7.7 in [19.5 cm] |
| Package Height | 2.8 in [7.0 cm] |
| Shipping (Package) Weight | 3.4 lb [1.5 kg] |

What's in the Box

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|---------------------|--|
| 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 |

**Warranty
Information**

| | |
|----------|---------|
| Warranty | 2 Years |
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**Product appearance and specifications are subject to change without notice.*

