2 Port USB to RS232 RS422 RS485 Serial Adapter with COM Retention

Product ID: ICUSB2324852

The ICUSB2324852 2 Port USB to RS232 RS422 RS485 Serial Adapter with COM Retention lets you connect every type of serial device to your USB-enabled computer, whether it be for RS232, RS422, or RS485 communication. The adapter features a 9-pin (DB9) male and a 5-pin terminal block serial connector as well as dip-switch controls for easy port configuration with minimal software requirements. The adapter also supports using 2 ports simultaneously, including with mixed protocols; for example RS-232 on port 1, and RS-485 on port 2, or a number of other combinations.

For a convenient, and clean installation in office or industrial settings, the RS232/RS422/RS485 USB Adapter is wall-mountable and fully powered via the host USB connection, providing power to the attached serial device without requiring an external power adapter.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.
Certifications, Reports and Compatibility

Applications

- Adapting and expanding POS systems
- Great for Industrial programmers looking to test new code with serial devices
- Connect serial RS232, RS422, or RS485 devices to notebooks or tablet PC’s through the USB port
- Perfect for controlling, monitoring, and diagnosing manufacturing machines (CNC, Process Control Equipment, Bar Code Scanners, Serial Printers)
- Security device control (key panels, cameras, card readers)

Features

- Backwards compatible with USB 1.1
- USB-powered; No additional external power adapter required
- Both ports can function simultaneously with mixed or matched communication protocols
- Includes a bracket for wall mounting the USB to Serial adapter
- Features rugged screw-lock USB port to ensure cords are not accidentally disconnected
- Ability to rename devices for easy recognition
- COM Port assignments maintained after reboot
- Port 1 (DB9) configurable for RS232, RS422, or RS485; Port 2 (Terminal Block) configurable for RS422 or RS485
- Multiple interface modes, including: 4 wire RS422(TxD+/-, RxD+/-), and 2 wire RS485 (DATA+, DATA-)
- Supports RS-485 Auto Transceiver Turn Around by Unique Featured ATTA Hardware
- External power adapter can be used (not required) if your device needs extra power beyond what the USB host can provide
- Transmission Echo for RS485 collision detection
- USB to 2 Port Straight-Through RS232/422/485 Serial Adapter

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# Data Sheet

## Hardware
- **Warranty**: 2 Years
- **Bus Type**: USB 2.0
- **Chipset ID**: FTDI - FT2232H
- **Interface**: Serial
- **Port Style**: External Hub
- **Ports**: 2

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Performance</strong></td>
<td></td>
</tr>
<tr>
<td>Data Bits</td>
<td>7, 8</td>
</tr>
<tr>
<td>FIFO</td>
<td>128 Bytes</td>
</tr>
<tr>
<td>Flow Control</td>
<td>Xon/Xoff, Hardware, and None</td>
</tr>
<tr>
<td>Max Baud Rate</td>
<td>921.6 Kbps</td>
</tr>
<tr>
<td>Parity</td>
<td>Odd, Even, Mark, Space, and None</td>
</tr>
<tr>
<td>Serial Protocol</td>
<td>RS-232/422/485</td>
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<tr>
<td>Stop Bits</td>
<td>1, 2</td>
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</tbody>
</table>

### Connector(s)
- **Connector Type(s)**
  - 1 - USB Type-A (4 pin) USB 2.0 Male
- **External Ports**
  - 1 - DB-9 (9 pin, D-Sub) Male
  - 1 - Terminal Block (5 Wire)

### Software
- **OS Compatibility**
  - Windows® CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10
  - Mac OS X® 10.6 to 10.14
  - Linux 2.4.x to 4.4.x LTS Versions only

### Indicators
- **LED Indicators**
  - 1 - Red - Power LED

### Power
- **Center Tip Polarity**: Positive
- **Output Current**: 0.385A
- **Output Voltage**: 5 DC
- **Plug Type**: B
- **Power Source**: Not Included (not required for standard applications)

### 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**: Gray
- **Enclosure Type**: Plastic

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Product Height</strong></td>
<td>0.9 in [2.3 cm]</td>
</tr>
<tr>
<td><strong>Product Length</strong></td>
<td>3.2 in [82.3 mm]</td>
</tr>
<tr>
<td><strong>Product Width</strong></td>
<td>1.7 in [44.2 mm]</td>
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<tr>
<td><strong>Weight of Product</strong></td>
<td>10.6 oz [300 g]</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Packaging Information</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>Package Height</strong></td>
<td>1.6 in [40 mm]</td>
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<tr>
<td><strong>Package Length</strong></td>
<td>8.2 in [20.8 cm]</td>
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<tr>
<td><strong>Package Width</strong></td>
<td>5.7 in [14.4 cm]</td>
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<tr>
<td><strong>Shipping (Package) Weight</strong></td>
<td>10.9 oz [310 g]</td>
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<table>
<thead>
<tr>
<th><strong>What's in the Box</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Included in Package</strong></td>
<td>1 - Wall mounting bracket</td>
</tr>
<tr>
<td>1 - USB to RS232/RS422/485 Adapter</td>
<td></td>
</tr>
<tr>
<td>1 - USB A to B Cable</td>
<td></td>
</tr>
<tr>
<td>1 - Driver CD</td>
<td></td>
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<tr>
<td>1 - Installation Guide</td>
<td></td>
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Product appearance and specifications are subject to change without notice.