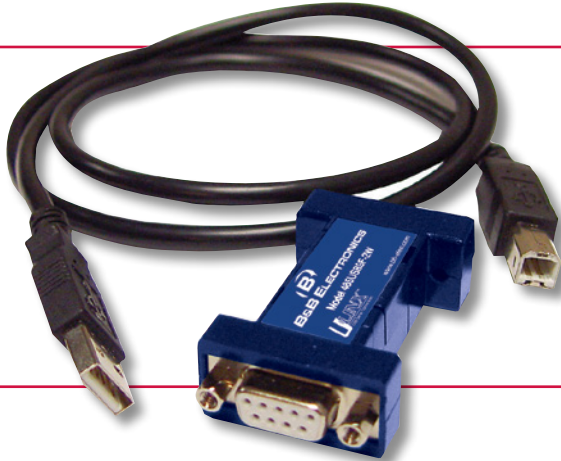


USB to RS-485 Mini-Converters

485USB9F-2W & 485USB9F-4W



PRODUCT FEATURES

- Connect RS-485 Devices to your USB Port
- Perfect for Field Service Applications
- Small – Fits easily into any laptop bag
- USB Port Powered
- USB 2.0 (12 Mbps) Compatible
- RS-485 Data rates up to 921.6 Kbps
- Supports Windows 98, ME, 2000, XP, Vista, 7 (32/64 bit), 8 (32/64 bit)

Universal Serial Bus (USB) has become the connectivity workhorse of today's PCs, replacing the familiar serial ports. However, many commercial and industrial devices still use the RS-485 interface. To connect these devices to modern PCs, you need a simple and reliable conversion solution. The 485USB9F-2W and 485USB9F-4W offer this solution in a space saving, USB Port powered package.

Simply install the drivers supplied on CD ROM and plug the converter into an available USB port on your computer or USB hub. The device will show up as an additional COM port in the Windows Device Manager which is fully compatible with your Windows applications. Choose the 485USB9F-2W for RS-485 2-wire applications or the 485USB9F-4W for RS-485 4-wire applications. Locked serial number versions are also available. A one meter USB cable is included.

ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION |
|----------------|---|
| 485USB9F-2W | USB to RS-485 2-Wire Converter |
| 485USB9F-4W | USB to RS-485 4-Wire Converter |
| 485USB9F-2W-LS | USB to RS-485 2-Wire Converter (Locked Serial Number) |
| 485USB9F-4W-LS | USB to RS-485 4-Wire Converter (Locked Serial Number) |

ACCESSORIES

USBAMB-3F - 3 ft. (1 M) USB Cable (One Included)
 7372 - Replacement TB (One Included)
 Contact Customer Service for ordering information.



IN THE FIELD

Monitoring Laboratory Equipment

Industry: Industrial Automation
 Product: USB Miniature Converter



www.bb-elec.com/USBLab

485USB9F-2W

Carrier data charges may apply.

Locked Serial Numbers Explained

We configure our single-port USB to serial converters in two ways. In standard format, each product has a unique serial number. "Locked serial" format uses the same serial number that is associated with a model type.

If your converter will always be used with the same computer, the standard serialized model is all you need. If the converter is shared among several computers, like field service laptops, the locked serial number model lets you plug and play without having to worry about matching the two.

| Description | Serialized | Locked Serial Number |
|--|-----------------|----------------------|
| Every unit is assigned a unique COM port | ✓ | - |
| Same type model numbers shares the same COM port | - | ✓ |
| Ideal applications | Fixed Locations | Field Service |

When ordering Locked Serial Number versions, add a "-LS" to the item number. Serialized and Lock Serial Number versions sell for the same price.

USB to RS-485 Mini-Converters

485USB9F-2W & 485USB9F-4W



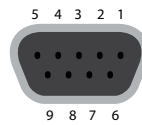
SPECIFICATIONS

| SERIAL TECHNOLOGY | |
|-------------------|---|
| RS-485 2-Wire | Data A(-), Data B(+), Ground |
| RS-485 4-Wire | TDA(-), TDB(+), RDA(-), RDB(+), Ground |
| Connector | DB9 Female |
| Data Rate | Up to 921.6 Kbps |
| USB TECHNOLOGY | |
| Connector | USB Type B Female |
| Standard | 2.0 (Backward Compatible) |
| Data Rate | 12 Mbps |
| POWER | |
| Source | USB Port |
| Input Voltage | 5 VDC |
| Consumption | ~ 0.5 W (Low power device, draws less than 100 mA) |
| SOFTWARE | |
| Driver CD | Windows 98, ME, 2000, XP, Vista, 7 (32/64 bit), 8 (32/64 bit) |
| MECHANICAL | |
| Dimensions | 5.8 x 3.2 x 1.6 cm (2.3 x 1.3 x .6 in) |
| Enclosure | In-line mounted, plastic |
| Weight | 0.23 lbs (104.3 g) with USB Cable |
| ENVIRONMENTAL | |
| Operating Temp | 32 to 158°F (0 to 70 °C) |
| Storage Temp | -40 to 185 °F (-40 to 85 °C) |
| Op Humidity | 0 to 95 % (Non-condensing) |
| MTBF 2-Wire | 2130833 hours |
| MTBF 4-Wire | 1869313 hours |
| MTBF Method | Parts Count Reliability Prediction |
| REGULATORY | |
| Approvals | FCC, CE |

APPROVALS / CERTIFICATIONS

| | |
|-----------|---|
| Emissions | EN 55022: 2010 + AC:2011 Class B Emissions |
| CE | EN 61000-6-1:2007 Generic Standards for Residential, Commercial and Light-Industrial Environments |
| | EN 61000-4-2: 2009 Electro-Static Discharge (ESD) |
| | EN 61000-4-3: 2006 +A1 +A2 +IS1 Radiated Field Immunity (RFI) |
| | EN 61000-4-4: 2012 Electrical Fast Transients-Burst Immunity (EFT) |
| | EN 61000-4-6: 2009 Conducted Immunity |

PINOUT: DB9 FEMALE CONNECTOR



| PIN | 485USB9F-2W | 485USB9F-4W |
|-----|-------------|-------------|
| 1 | Not Used | Not Used |
| 2 | Data A(-) | RDA(-) |
| 3 | Data B(+) | TDB(+) |
| 4 | Ground | Ground |
| 5 | Not Used | Not Used |
| 6 | Ground | Ground |
| 7 | Data B(+) | RDB(+) |
| 8 | Data A(-) | TDA(-) |
| 9 | Not Used | Not Used |

MECHANICAL DIAGRAM

