

# USB to RS-485 PC Adapter

## USB-485M \$69.00

Convenient 2-wire USB to RS-485 serial communication adapter for universal RS-485 use (GS drives, SureServo servos, Solo temperature controllers, CLICK PLCs, etc.). Does not require an external power supply or complicated configuration process.

### Features:

- Type A (plug) USB connector
- Universal female RJ45/RJ12 modular connector (accepts RJ12 & RJ45 plugs)
- Supports multiple baud rates
- USB v2.0 compliant
- RoHS compliant
- CE compliant

### Components Included:

- Adapter
- Cable – 6-wire RJ12 crossover; 2m [79 in] (for plug & play connectivity to GS drives)
- Cable – 2-wire RJ12–flying leads; 2m [79in] (for universal RS-485 connectivity to SureServo, Solo, etc.)

| Specifications                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>               | USB TO RS-485 PC Adapter; includes (2) RJ12 cables, instructions                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Component Compatibility *</b> | GS series AC drives – GSOF2/GSOFT2 configuration software & Modbus polling<br>Ironhorse AC drives – VFD Suite configuration & Modbus polling<br>Toshiba AS3 AC drives – ASD Pro configuration software & Modbus polling<br>SureServo(2) servo drives – SV(2)-PRO configuration software & Modbus polling**<br>SOLO process controllers – SL-SOFT configuration software<br>SOLO process controllers – Modbus polling<br>CLICK PLCs – Modbus polling<br>Productivity PLCs – Modbus polling |
| <b>Power Supply</b>              | No external power supply needed                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Power Consumption</b>         | 0.4 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Voltage Isolation</b>         | 3000 VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Baud Rates Supported</b>      | 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 (bps)                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Transmission Type</b>         | RS-485 half-duplex (2-wire)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>LED Display</b>               | Steady Green LED ON: power is ON.<br>Blinking orange LED: data is transmitting.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>USB Connector</b>             | Type A (plug)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RS-485 Connector</b>          | RJ45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Compatibility</b>             | USB v2.0 specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>PC Compatibility</b>          | Windows Operating System required for bridge & driver installation:<br>32-bit driver: Windows 7, 8, 8.1, 10<br>64-bit driver: Windows 7, 8, 8.1, 10                                                                                                                                                                                                                                                                                                                                       |

\* NOT compatible with DirectSOFT PLC software.

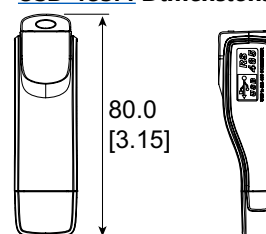
(DirectSOFT RS-485 programming requires 4-wire full-duplex data transmission.)

\*\* Requires SVC-485CFG-CBL-2 cable.

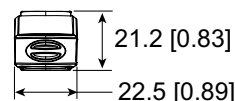
### USB-485M



### USB-485M Dimensions



UNITS:  
mm [in]



### USB-485M RJ-45 Pin-out



8 ← 1



RJ-45

| Pinout |             |
|--------|-------------|
| Pin    | Description |
| 1      | reserved    |
| 2      | reserved    |
| 3      | reserved    |
| 4      | SG+         |
| 5      | SG–         |
| 6      | reserved    |
| 7      | reserved    |
| 8      | reserved    |