

# SRS2F Series

## Stand-alone RS232 Remotely Managed Media Converter

### RS232 Copper to Fiber



SRS2F3111-100

The SRS2F Series stand-alone serial RS232 to fiber converters allow you to extend the distance between serial connections with the use of fiber optic cable. These full-featured stand-alone converters transmit the full complement of RS232 flow control/handshaking signals optically and supports full or half-duplex asynchronous data transmission at speeds up to 115 Kbps. Link a remote terminal to a host computer: Connect multiple devices, such as security scanners, POS devices, remote terminals and building access/alarming systems to a host computer. Ideal for campus or business environments where remote devices can be networked in a point-to-point configuration where distances are greater than the 15 meter limitation of conventional copper serial cables.

In addition, these stand-alone media converters can also be managed from remote locations, in-band, over the fiber, when linked to a CRS2F Series installed in a managed Point System™ chassis.

## Features

- Remote Management
- Local or Remote Loopback on copper and fiber
- DTE/DCE switch for easy installation with straight-through cabling
- Full/Half-duplex asynchronous transmission at speeds up to 115 Kbps
- Supports the following flow control signaling:
  1. DCD - Data Carrier Detect
  2. RXD - Receive Data
  3. TXD - Transmit Data
  4. DTR - Data Terminal Ready
  5. SG - Signal Ground
  6. DSR - Data Set Ready
  7. RTS - Request To Send
  8. CTS - Clear To Send

## Specifications

|                   |  |
|-------------------|--|
| Standards         | EIA/TIA-574<br>EIA/TIA RS-232E   |
| Data Rate         | 115 Kbps   |
| Switches          | DTE/DCE: Select appropriate position<br>Loopback: Norm = normal operation;<br>Loop = Fiber and copper loopback   |
| Status LEDs       | P: (Power): Lit for normal operation<br>RX: Steady = Copper Link;<br>Flashing = Rx Data<br>FL: Steady = Fiber Link;<br>Flashing = Loopback mode        |
| Dimensions        | Width: 3.3" [84 mm]<br>Depth: 4.8" [122 mm]<br>Height: 1.2" [30 mm]  |
| Power Consumption | 5 Watts  |
| Power Supply      | External AC/DC; 12 VDC, 0.5A min output; 120-240VAC input  |
| Environment       | Operating: 0°C to 50°C<br>Humidity: 5% to 95% (non-condensing)<br>Altitude: 0 – 10,000 ft.   |
| Weight            | 2 lbs. [0.90 kg]   |
| Compliance        | Safety: Wall Mount Power Supply: UL Listed and CSA certified<br>Emissions: CISPR22/EN55022 Class A + EN55024,<br>EN60950 Class A, FCC Class A, CE Mark |
| Warranty          | Lifetime   |

## Ordering Information

### SRS2F3111-100

DB-9 [15 m/49 ft.]  
to 1300nm multimode (ST) [2 km/1.2 mi.]  
Link Budget: 11.0 dB

### SRS2F3113-100

DB-9 [15 m/49 ft.]  
to 1310nm multimode (SC)  
[2 km/1.2 mi.] Link Budget: 11.0 dB

### SRS2F3114-100

DB-9 [15 m/49 ft.]  
to 1310nm single mode (SC) [20 km/12.4 mi.]  
Link Budget: 16.0 dB

**Optional Accessories** (sold separately)

### Wide Input (24 - 60 VDC) Power Supplies

#### SPS-2460-PS

Piggy Back Power Supply

#### SPS-2460-SA

Stand-Alone Power Supply

### Mounting Options

#### E-MCR-05

12-Slot Media Converter Rack

#### RMS19-SA4-02

4-Slot Media Converter Shelf

#### WMBD

DIN Rail Bracket 5" [127 mm]

#### WMBD-F

DIN Rail Bracket (flat) 3.3" [84 mm]

#### WMBL

Wall Mount Bracket 4" [102 mm]

#### WMBV

Vertical Wall Mount Bracket 5" [127 mm]

### Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: SRS2F3111-100-NA

#### -NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil