SRS2F Series

Stand-alone RS232 Remotely Managed Media Converter

RS232 Copper to Fiber

TRANSITION NETWORKS®

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.

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 1300nm 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]

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 EIA/TIA RS-232E
Data Rate	115 Kbps
Switches	DTE/DCE: Select appropriate position Loopback: Norm = normal operation; Loop = Fiber and copper loopback
Status LEDs	P: (Power): Lit for normal operation RX: Steady = Copper Link; Flashing = Rx Data FL: Steady = Fiber Link; Flashing = Loopback mode
Dimensions	Width: 3.3" [84 mm] Depth: 4.8" [122 mm] 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 Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Compliance	Safety: Wall Mount Power Supply: UL Listed and CSA certified Emissions: CISPR22/EN55022 Class A + EN55024, EN60950 Class A, FCC Class A, CE Mark
Warranty	Lifetime

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