stand-alone media converter

REMOTE MGMT LOOP BACK

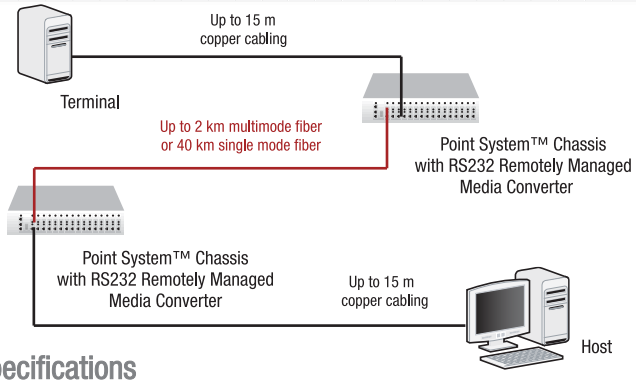
RS232 Copper to Fiber with Remote Management

RS232

SRS2F311x-100

Remotely Managed RS232 Media Converter

Extend Network Distance



Features

- Remote Management
- Local or Remote Loopback on copper and fiber
- DTE/DCE switch for easy installation with straight-through cabling

Additional Features

- 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 loop-back
Status LEDs	**P: (Power)**: Lit for normal operation **RX**: Steady = Copper Link; Flashing = Rx Data **FL**: Steady = Fiber Link; Flashing = Loop back mode
Dimensions	**Width**: 3.3" [84 mm] **Depth**: 4.8" [122 mm] **Height**: 1.2" [30 mm]
Power Consumption	5.0 Watts
Power	External AC/DC; 12 VDC, 0.5A min
Environment	0 – 50°C, 5% – 95% humidity (non-condensing), 0 – 10,000 ft.
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	**Wall Mount Power Supply**: UL Listed and CSA certified
Regulatory Compliance	CISPR22/EN55022 Class A + EN55024; EN60950 Class A; FCC Class A; CE Mark
Warranty	Lifetime

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.

Transition Networks' serial RS232 to Fiber converter allows you to extend the distance between serial connections with the use of fiber optic cable. This full-featured converter transmits 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.

The diagnostic features included on this converter make installation easy and intuitive. A DTE/DCE switch eliminates the frustration over selecting the appropriate cable. A loop-back switch allows for complete diagnostic testing prior to system turn-up or during troubleshooting. Unit and Port LEDs allow for quick status information of the converter.

In addition to status LEDs and switch settings for local management, these converters can also be managed from remote locations when used in conjunction with 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

SRS2F3115-100
DB-9 [15 m/49 ft.]
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

SRS2F3129-100
DB-9 [15 m/49 ft.]
to 1310TX/1550RX single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SRS2F3129-101
DB-9 [15 m/49 ft.]
to 1550TX/1310RX single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SRS2F3129-102
DB-9 [15 m/49 ft.]
to 1310TX/1550RX single fiber SM (SC)
[40 km/24.8 mi.] Link Budget: 25.0 dB

SRS2F3129-103
DB-9 [15 m/49 ft.]
to 1550TX/1310RX single fiber SM (SC)
[40 km/24.8 mi.] Link Budget: 25.0 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-SA4-01
4-Slot Media Converter Shelf

WMBD
DIN Rail Bracket 5.0" [127 mm]

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

WMBL
Wall Mount Bracket 4.0" [102 mm]

WMBV
Vertical Wall Mount Bracket 5.0" [127 mm]

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