SRS4F3x1x-100

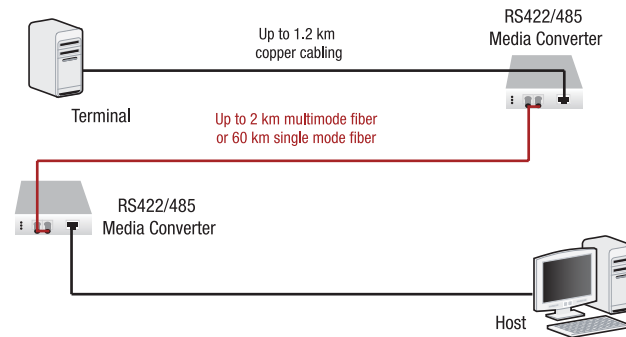## RS422/485 Copper to Fiber Media Converter

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 either a point-to-point or point to multi-point configuration.

Transition Networks' serial RS-422/485 to Fiber converter allows you to extend the distance between serial connections with the use of fiber optic cable. This full-featured converter operates in 2-wire mode for RS-422 and either 2-wire or 4-wire mode for RS-485 and supports full or half-duplex data transmission at speeds up to 1.25 Mbps.
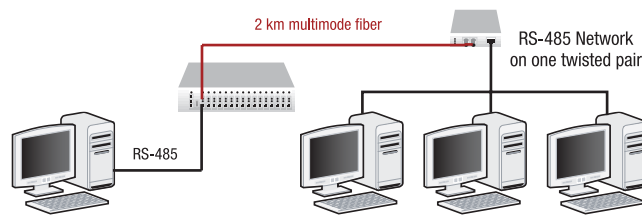
Features

▸ RS422 or RS485 operation

▸ 2-wire or 4-wire in operation in RS-485 mode

▸ Full/Half-duplex transmission at speeds up to 1.25 Mbps

Extend Network Distance

Connect Multiple Devices

Specifications

Complete list of fiber optic connector specifications [pg 212-224]

Standards	EIA/TIA RS-422, EIA/TIA RS-485
Switches	**SW1**: 130 ohm resistor RX (Down = enable) **SW2**: 130 ohm resistor TX (Down = enable) **SW3**: 1k ohm "pull-down" (Down = enable) **SW4**: 1k ohm "pull-up" (Down = enable) **SW5**: 2-wire/4-wire (Down = 4-wire) **SW6**: RS-485/RS-422 (Down = RS-422)
Status LEDs	**PWR (Power)**: Lit for normal operation **RXC**: Steady = Data RX on copper link; Flashing = RX Data at low speed **RXF**: Steady = Fiber Link
Dimensions	**Width**: 3.3" [84 mm] **Depth**: 4.8" [122 mm] **Height**: 0.90" [22 mm]
Power Consumption	5.0 Watts
Power	External AC/DC; 12 VDC, 0.5A min
Environment	0 – 50°C operating; 5 – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	**Wall Mount Power Supply**: UL Listed and CSA certified
Regulatory Compliance	CISPR22/EN55022; EN55024; EN60950 Class A; FCC Class A; CE Mark; UL 1950
Warranty	Lifetime

Ordering Information

Complete list of fiber optic connector specifications [pg 212-224]

SRS4F3111-100
DB-9 [1.2 km/0.7 mi.]
to 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRS4F3113-100
DB-9 [1.2 km/0.7 mi.]
to 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRS4F3114-100
DB-9 [1.2 km/0.7 mi.]
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

SRS4F3115-100
DB-9 [1.2 km/0.7 mi.]
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

SRS4F3116-100
DB-9 [1.2 km/0.7 mi.]
to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB

SRS4F3211-100
Terminal Block [1.2 km/0.7 mi.]
to 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRS4F3213-100
Terminal Block [1.2 km/0.7 mi.]
to 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRS4F3214-100
Terminal Block [1.2 km/0.7 mi.]
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

SRS4F3215-100
Terminal Block [1.2 km/0.7 mi.]
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

Optional Accessories *(sold separately)*

Wide Input (24 - 60 VDC) Power Supplies

SPS-2460-PS [pg 69]
Piggy Back Power Supply

SPS-2460-SA [pg 69]
Stand-Alone Power Supply

Mounting Options

E-MCR-05 [pg 67]
12-Slot Media Converter Rack

RMS19-SA4-01 [pg 67]
4-Slot Media Converter Shelf

WMBD [pg 68]
DIN Rail Bracket 5.0" [127 mm]

WMBD-E [pg 68]
DIN Rail Bracket (Extended) 4.3"[109 mm]

WMBD-F [pg 68]
DIN Rail Bracket (flat) 3.3" [84 mm]

WMBL [pg 68]
Wall Mount Bracket 4.0" [102 mm]

WMBV [pg 68]
Vertical Wall Mount Bracket
5.0" [127 mm]