RS422/485 Copper to Fiber

Stand-Alone Media Converters
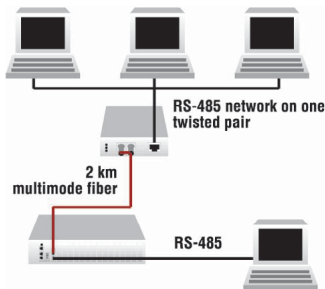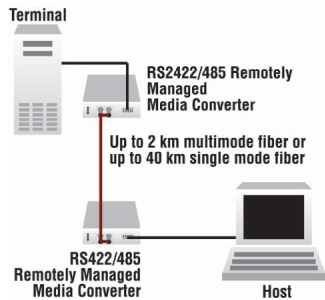
SRS4F3x1x-100

Convert DB-9 or Terminal Block to Fiber

▸ Extend Network Distance   ▸ Connect Multiple Devices

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 Media 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 Mb/s.

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 Mb/s

Ordering Info

Product Number	Port One	Port Two
SRS4F3111-100	DB-9 [1.2 km/ 0.7 miles]	1300nm multimode (ST) [2 km/1.2 miles]
SRS4F3113-100	DB-9 [1.2 km/ 0.7 miles]	1300nm multimode (SC) [2 km/1.2 miles]
SRS4F3114-100	DB-9 [1.2 km/ 0.7 miles]	1310nm single mode (SC) [20 km/12.4 miles]
SRS4F3115-100	DB-9 [1.2 km/ 0.7 miles]	1310nm single mode (SC) [40 km/24.9 miles]
SRS4F3211-100	Terminal Block [1.2 km/ 0.7 miles]	1300nm multimode (ST) [2 km/1.2 miles]
SRS4F3213-100	Terminal Block [1.2 km/ 0.7 miles]	1300nm multimode (SC) [2 km/1.2 miles]
SRS4F3214-100	Terminal Block [1.2 km/ 0.7 miles]	1310nm single mode (SC) [20 km/12.4 miles]
SRS4F3215-100	Terminal Block [1.2 km/ 0.7 miles]	1310nm single mode (SC) [40 km/24.9 miles]

Optional Accessories *(sold separately)*

Product Number	Description
SPS-1872-PS	Wide Input (18-72VDC) Piggy Back Power Supply
SPS-1872-SA	Wide Input (18-72VDC) Stand-Alone Power Supply
E-MCR-04	12-slot Media Converter Rack
WMBD	DIN Rail Mount Bracket 5.0" [127 mm]
WMBD-F	DIN Rail Mount Bracket (flat) 3.3" [84 mm]
WMBL	Wall Mount Bracket 4.0" [102 mm]
WMBV	Vertical Wall Mount Bracket 5.0" [127 mm]

Specifications

Standards	EIA/TIA RS-422, EIA/TIA RS-485
Fiber Optic Connector Specs	
SRS4F3x11-100 & SRS4F3x13-100	Min TX PWR: -19.0 dBm Max TX PWR: -14.0 dBm RX Sensitivity: -30.0 dBm Max In PWR: -14.0 dBm Link Budget: 11.0 dB
SRS4F3x14-100	Min TX PWR: -15.0 dBm Max TX PWR: -8.0 dBm RX Sensitivity: -31.0 dBm Max In PWR: -8.0 dBm Link Budget: 16.0 dB
SRS4F3x15-100	Min TX PWR: -8.0 dBm Max TX PWR: -2.0 dBm RX Sensitivity: -34.0 dBm Max In PWR: -7.0 dBm Link Budget: 26.0 dB
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: 0.9" [22 mm]
Power Consumption	5.0 watts
Power	External AC/DC; 12VDC, 0.5A min
Environment	0 – 50°C operating; 5 – 95% humidity non-condensing; 0 – 10,000 feet altitude
Shipping Weight	2 lbs. [0.9 kg]
Safety Compliance	Wall Mount Power Supply: UL approved and CSA certified
Regulatory Compliance	CISPR22/EN55022; EN55024; EN60950 Class A; FCC Class A; CE Mark; UL 1950
Warranty	Lifetime

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