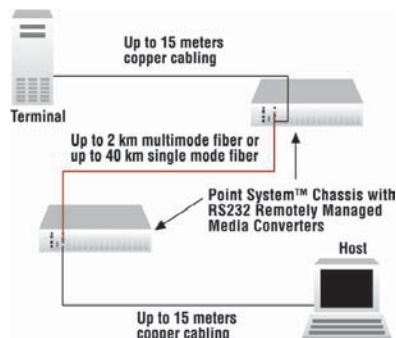


RS232 Copper to Fiber with Remote Management

Point System™ Slide-In-Module Media Converters

CRS2F311x-100

► Extend Network Distance



► Extend Network Distance

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 Media 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 115Kb/s.

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 Loopback 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.

Features

► Read/write access to remote stand-alone unit

► Local or Remote Loopback on copper and fiber (see next page)

► DTE/DCE switch for easy installation with straight-through cabling

► Full/Half-duplex asynchronous transmission at speeds up to 115Kb/s

► 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

► Remote Firmware Upgrade (see next page)

Management Features

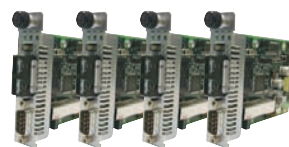
► Report converter status to chassis management software:

- Local Fiber Link status
- Local/Remote Hardware/Software mode
- Local/Remote Loopback
- Local/Remote DTE/DCE mode
- Local/Remote link status

► Write operation includes:

- Local Loopback
- Remote Loopback

► Can be used with any Point System™ Chassis



Convert DB-9 to Fiber

Ordering Info

Product Number	Port One	Port Two
CRS2F3111-100	DB-9 [15 m/49 ft.]	1300nm multimode (ST) [2 km/1.2 miles]
CRS2F3113-100	DB-9 [15 m/49 ft.]	1300nm multimode (SC) [2 km/1.2 miles]
CRS2F3114-100	DB-9 [15 m/49 ft.]	1310nm single mode (SC) [20 km/12.4 miles]
CRS2F3115-100	DB-9 [15 m/49 ft.]	1310nm single mode (SC) [40 km/24.9 miles]

Specifications

Standards	EIA/TIA-574, EIA/TIA RS-232E
Data Rate	115 Kb/s
Fiber Optic Connector Specs	
CRS2F3111-100 & CRS2F3113-100	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
CRS2F3114-100	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
CRS2F3115-100	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	DTE/DCE: Select appropriate position Loop-back: 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	Wid h: 0.86" [22 mm] Dep h: 5.0" [127 mm] Height: 3.4" [86 mm]
Power Consumption	5.0 watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Compliance	CISPR22/EN55022 Class A + EN55024; EN60950 Class A; FCC Class A; CE Mark
Warranty	Lifetime

