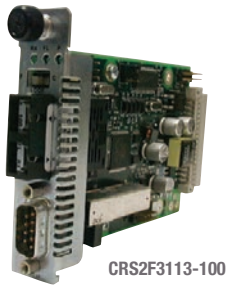
CRS2F Series

Point System™ RS232 Remotely Managed Media Converter Module

RS232 Copper to Fiber



CRS2F3113-100

The CRS2F 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 media 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.

Ordering Information

CRS2F3111-100
DB-9 [15 m/49 ft.]
to 1300nm multimode (ST) [2 km/1.2 mi.]
Link Budget: 11.0 dB

CRS2F3113-100
DB-9 [15 m/49 ft.]
to 1300nm multimode (SC) [2 km/1.2 mi.]
Link Budget: 11.0 dB

CRS2F3114-100
DB-9 [15 m/49 ft.]
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

Features

- Read/write access to remote stand-alone unit
- 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
- Field Upgradeable Firmware

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: 0.86" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	5.0 Watts
Environment	**Environment specs are dependent on the chassis chosen** Operating: 0°C to 50°C Storage: -40°C to +85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
Compliance	CISPR22/EN55022 Class A + EN55024, EN60950 Class A FCC Class A, CE Mark
Warranty	Lifetime

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