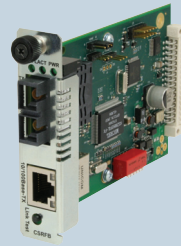


Remotely Managed 10/100 Bridging NID (Network Interface Device)



- ▶ **Integrate fiber** into 10/100 copper environments
- ▶ **Remote Management** Local managed unit receives status updated from remote stand-alone unit
- ▶ **Remote Loopback** assists in identifying network problems
- ▶ **Bandwidth Control** Independent ingress rate limiting on both ports

CSRFB10xx-100



Ideal for both Enterprise and Service Provider applications where entry level management information is needed on both the local and the remote device. This management information is accessible through the local unit installed in a managed Point System Chassis.

Devices should be used in pairs with the remotely managed device being another chassis card (CSRFB10xx-100) or stand-alone unit (SSRFB10xx-100).

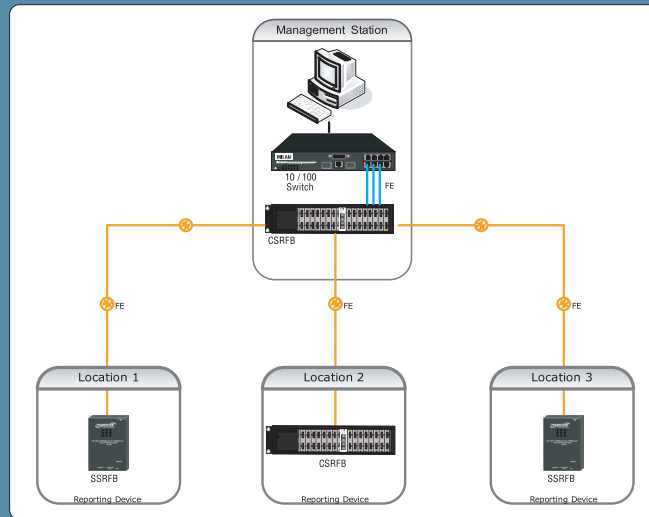
Features

- ▶ Auto-Negotiation
- ▶ AutoCross™
- ▶ Far End Fault (FEF)
- ▶ Transparent Link Pass Through
- ▶ Bandwidth Allocation
- ▶ Loopback
- ▶ Last Gasp
- ▶ Remote Management
- ▶ Auto Link Restore
- ▶ Link Test
- ▶ Remote Firmware Upgrade

Status Reporting Capabilities

- ▶ Last Gasp power failure of remote unit
- ▶ Copper Link Status of local and remote units
- ▶ Copper Speed Status of local and remote units
- ▶ Copper Duplex of local and remote units
- ▶ Ingress rate limiting on local unit
- ▶ Fiber Link Status of local and remote units
- ▶ Fiber Duplex of local and remote units
- ▶ Fiber Loop Back status of remote unit
- ▶ AutoCross status of local and remote units
- ▶ Hardware or software mode status of local and remote units
- ▶ Central or Terminal mode status of local and remote units

Remote Status Reporting Conversion



Specifications

Standards	IEEE Std. 802.3, TS-1000 OAM v2
Data Rate	Copper: 10/100 Fiber: 100 Mbps
Filtering Addresses	1K MAC addresses
RAM Buffers	256K
Max Frame Size	1916 bytes untagged 1914 bytes tagged
Switches	SW1: TP Auto-Negotiation SW2: TP Duplex with Auto-Negotiation Off SW3: TP Speed with Auto-Negotiation Off SW4: Fiber Duplex SW5: Link Pass Through SW6: Mode: Terminal or Center
Status LEDs	Power TP Duplex/Link/Activity TP 10Mbps/100Mbps Fiber Link/Activity Fiber Duplex
Dimensions	Width: 3.25" (82mm) Depth: 4.8" (122mm) Height: 1.0" (25mm)
Power Consumption	3.4 watts
Environment	0 – 50 C; 5% - 95% humidity non-condensing; 0 – 10,000 feet altitude
Power	External AC/DC required; 12VDC 1.25A
Shipping Weight	2 lbs. (.90 kg)
Safety Compliance	Wall Mount Power Supply: UL Listed and CSA certified
Regulatory Compliance	EN55022 Class A, EN55024; CE Mark
Warranty	Lifetime

Ordering Info

CSRFB1011-100
10/100Base-TX (RJ-45) [100 m/328 ft.]
100Base-FX 1300nm MM ST
[2 km/1.2 mi.] Link Budget: 11.0 dB

CSRFB1013-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm MM (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

CSRFB1014-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 29.0 dB

CSRFB1040-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to SFP slot (empty)

Single Fiber Products

CSRFB1029-100
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm TX / 1550nm RX
Bi-Di SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

CSRFB1029-101
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm TX / 1310nm RX Bi-Di
SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

CSRFB1029-102
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm TX / 1550nm RX
Bi-Di SM (SC)
[40 km/24.9 mi.] Link Budget: 19.0 dB

CSRFB1029-103
10/100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm TX / 1310nm RX Bi-Di
SM (SC)
[40 km/24.9 mi.] Link Budget: 19.0 dB



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