



SRMFE10xx-20x

Remotely Managed Fast Ethernet NID (Network Interface Device)

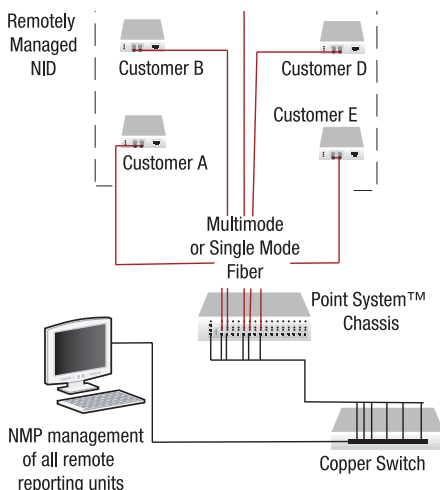


- ▶ **In-band management of stand alone** Fast Ethernet NID
- ▶ **Remote Loopback** assists in diagnosing network problems
- ▶ Upstream and downstream **Bandwidth Control** allows service providers to offer an array of services

Features

- ▶ Auto-Negotiation
- ▶ AutoCross™
- ▶ Link Pass Through
- ▶ Far-End-Fault (FEF)
- ▶ Automatic Link Restoration
- ▶ Pause
- ▶ Loopback
- ▶ Remote Management
- ▶ Jumbo Frame Support

Remotely Managed Fast Ethernet



With the Remotely Managed Fast Ethernet NID, service providers can now monitor and manage the entire optical link from the Central Office (CO) to the Customer Premise Equipment (CPE).

When used in conjunction with a managed Point System™ Chassis card, (CRMFE), this stand-alone unit can be managed remotely. This Fast Ethernet NID provides a fully-managed conversion between 100BASE-TX and 100BASE-FX signals at Customer Premises.

Devices should be used in pairs. Typical installation will include a chassis card installed in the Point System™ locally and a stand-alone device (SRMFE) installed at the remote location.

Specifications

Standards	IEEE Std. 802.3
3-position Jumper	Jumper J2: Enable/disable AutoCross™ Jumper J6: Hardware: Device mode determined by 4-position switch settings Software: Device mode determined by most recently saved on-board microprocessor settings.
4 position Switch	
Pos 1	Enable/disable twisted pair auto-negotiation
Pos 2	Enable/disable twisted pair pause
Pos 3 (UP)	Enables Link Pass Through. (DOWN) Disables Link Pass Through
Pos 4 (UP)	Enables Far-End-Fault (DOWN) Disables Far-End-Fault.
Status LEDs	Power LKF (Fiber Link) RXF (Fiber Receive) RXC (Copper Receive) LKC (Copper Link)
Dimensions	Width: 3.25" [83 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm]
Power Consumption	4 watts
Power	External AC/DC required; 12V DC 0.5A; unregulated; standard
Environment	0 – 50° C; 5% – 95% humidity non-condensing; 0 – 10,000 feet altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed and CSA certified
Regulatory Compliance	CISPR/EN55022 Class A & B + EN55024; FCC Class A & B; CE Mark
Warranty	Lifetime

Ordering Info

SRMFE1011-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRMFE1013-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SRMFE1014-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB

SRMFE1015-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB

SRMFE1016-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB

SRMFE1017-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm SM (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB

Single Fiber Products

Recommended use in pairs

SRMFE1029-200
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm TX / 1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SRMFE1029-201
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SRMFE1029-202
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm TX / 1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

SRMFE1029-203
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1550nm TX / 1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

Optional Accessories

(sold separately)

Wide Input (18 – 72VDC) Power Supplies:
SPS-1872-PS or SPS-1872-SA

Mounting Options:

E-MCR-05
12-slot Media Converter Rack

WMBD or WMBL
Wall Mount Brackets

RMS19-SA4-01
4-slot Media Converter Shelf