

SFBRM Series

OAM/IP-Based Remotely Managed NID



SFBRM10xx-1xx

Features

- MEF 9 and MEF 14 Carrier Ethernet Certification
- Two remote management modes:
 - IP-Based Remote Management
 - In-Band Link OAM 802.3ah (remote device managed by local peer)
- SNMP v1
- Auto-MDI/MDIX
- Auto-Negotiation
- Pause
- Link Pass Through
- Far-End-Fault
- Remote Loopback
- IEEE 802.1p QoS packet classification with 4 egress queues
- IPv4 IP TOS and DiffServ QoS classification, IPv6 Traffic class
- IEEE 802.1q VLAN
- Static MAC, 64 entries
- Double VLAN tagging (C-Tag/S-Tag) (Q-in-Q)
- RADIUS client
- RMON counters for each port
- Bandwidth Allocation per port
- DMI Optical Management on select models
- USB port for basic setup
- Cable diagnostic function for TP ports
- 8K MAC addresses
- Field Upgradeable Firmware

The SFBRM family of stand-alone Network Interface Devices (NIDs) provide a connection between a 10/100Base-TX RJ-45 port and a 100Base-FX fiber port. The device is a remotely managed product that offers IP or IP-Less management methods for secure delivery of Ethernet services for business and mobile backhaul applications.

Specifications

Standards	IEEE 802.3 IEEE 802.3ah IEEE 802.1P IEEE 802.1Q
Data Rate	10/100 Mbps; 100 Mbps
Filtering Addresses	8K MAC addresses
Max Frame Size	1628 bytes
Dimensions	Width: 3.25" [82 mm] Depth: 4.8" [122 mm] Height: 1" [25 mm]
Power Input	100-240 VAC, 1A
Power Output	12VDC, 1.25A
Environment	Operating: 0°C to 50°C Humidity: 5% to 90% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Compliance	EN55024, FCC Class A, CE Mark, UL
Warranty	Lifetime



Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU

Ex: SFBRM1011-100-NA

-NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South America
- JP = Japan
- OZ = Australia
- BR = Brazil

Ordering Information

SFBRM1011-100

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

SFBRM1013-100

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

SFBRM1014-100

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-LX10 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 10.5 dB

SFBRM1040-100

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

Single Fiber Products

SFBRM1029-100

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-BX-U 1310nm TX/1550nm RX
Bi-Di single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SFBRM1029-101

10/100Base-TX (RJ-45) [100 m/328 ft.]
to 100Base-BX-D 1550nm TX/1310nm RX
Bi-Di single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

Note: All units feature USB port for local management application

Optional Accessories (sold separately)

Wide Input (24 - 60 VDC) Power Supplies

SPS-2460-PS

Piggy Back Power Supply

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options

E-MCR-05

12-slot Media Converter Rack

RMS19-SA4-02

4-slot Media Converter Shelf

WMBD

DIN Rail Bracket 5.0" [127 mm]

WMBL

Wall Mount Bracket 4.0" [102 mm]

USBC-AM-BM-03

USB 2.0 Cable A male to B male [3 ft. Gray]

USBC-AM-BM-06

USB 2.0 Cable A male to B male [6 ft. Gray]