

# SFBRM1040-100

## OAM/IP-Based Remotely Managed NID



The SFBRM1040-100 stand-alone Network Interface Device (NIDs) provides 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.

### 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

### 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



### Ordering Information

#### SFBRM1040-100

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

Note: Unit features 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]

### 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: SFBRM1040-100-NA

#### -NA = Country Code

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