SBFFG Series

OAM/IP-Based Remotely Managed NID

TRANSITION NETWORKS®

The SBFFG family of stand-alone Network Interface Devices (NIDs) provide a connection between a 10/100/1000Base-T RJ-45 port and a 1000Base-X 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. With MEF 9 & 14 certification the SBFFG family ensures you are compliant with the latest standards. The SBFFG is a 10/100/1000Mbps product with advance features including – IEEE 802.3ah Link OAM, VLAN, QoS, Bandwidth Allocation and jumbo frame support.

Features

- 10K Jumbo Frame Support
- MEF 9 & MEF 14 Carrier Ethernet Certification
- Two 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
- Transparent 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, entries
- Double VLAN tagging (QinQ)
- Selectable Ethertype for S-TAG when using Double VLAN Tagging: 0x8100, 0x9100 or 0x88A8
- RADIUS client
- RMON counters for each port
- Bandwidth Allocation per port
- DMI Optical Management
- 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	Copper: 10/100/1000 Mbps Fiber: 1000 Mbps
Filtering Addresses	8K MAC addresses
Max Frame Size	10,240 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

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MEF
Certified Compliant™