

Stand-alone Gigabit Ethernet Remotely Managed NID 10/100/1000Base-T to 1000Base-X with OAM/IP-Based Management

The ION S3230 is a stand-alone managed multi-service Network Interface Device (NID) that provides an interface between 10/100/1000Base-TX ports and 1000Base-SX/LX ports, allowing users to provide SLA-assurance and advanced fault management while integrating fiber optic cabling into 10/100/1000 copper environments. As a remotely managed device, the S3230 can be managed individually via an IP address or it can be managed in-band, over the fiber when linked to a C3230 card installed in a managed ION chassis. With advanced features like IEEE 802.1ag Service OAM, IEEE 802.3ah Link OAM, ITU Y.1731 Performance Monitoring, VLAN, QoS, SSH/SSL, jumbo frame support, and bandwidth allocation, the S3230 offers a variety of methods for the secure delivery of business Ethernet and mobile backhaul deployments.



S3230-1040

Key Features

- MEF 9, 14 and 21 certified
- IEEE 802.3ah Link OAM
- ITU Y.1731
- IEEE 802.1ag Service OAM
- 10K Jumbo Frame Support
- Two selectable Remote Management modes:
 - IP-Based Remote Management
 - In-Band (remote device managed by local peer)
- Auto-MDI/MDIX
- Auto-Negotiation
- Pause
- Transparent Link Pass Through
- Far-End-Fault (FEF)
- Remote Loopback
- Field Upgradeable Firmware
- IEEE 802.1p QoS packet classification
- IPv4 IP TOS, DiffServ and IPv6 traffic class QoS classification
- IEEE 802.1Q VLAN and double VLAN tagging with 4096 VIDs
- DHCP client
- SNTP
- TFTP
- RADIUS client
- RMON counters for each port
- Bandwidth profiling
- DMI Optical Management
- Cable diagnostics function for copper ports
- SSH
- Telnet
- Command Line Interface (CLI)
- Web management
- Focal Point Management
- SNMP v1, v2c, and v3
- USB port for basic setup
- Management VLAN

Specifications

Standards	IEEE 802.3 IEEE 802.3ah IEEE 802.1ag IEEE 802.1p IEEE 802.1Q
Data Rate	Copper: 10/100/1000 Mbps Fiber: 1000 Mbps
Filtering Address	8K MAC Addresses
Max Frame Size	10,240 bytes
Dimensions	Width: 3.25" [82 mm] Depth: 6.5" [165 mm] Height: 1" [25 mm]
Power Input	100-240 VAC, 1A
Power Output	12 VDC, 1.25A
Environment	Operating: 0°C to +50°C Storage: -25°C to +85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
Certifications	EN55022 Class A, EN55024, UL60950, CE Mark
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: S3230-1040-**NA**

-NA = Country Code

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

Ordering Information

S3230-1040

10/100/1000Base-T (RJ-45) [100 m] to
(1) 100/1000Base-X SFP Slot (empty)

S3231-1040

10/100/1000Base-T (RJ-45) [100 m] to
(2) 100/1000Base-X SFP Slots (empty)

Note: all units feature USB port for local management application and have SGMII support for use with 10/100/1000Base-T copper SFPs.

Optional Accessories (sold separately)

SFP Modules

Mounting Options (sold separately)

WMBL

Wall Mount Bracket 4" [102 mm]

RMS19-SA4-02

4-Slot Media Converter Shelf

