S3280-TST

Remotely Managed Network Interface Device (NID) with Traffic Generator

TRANSITION NETWORKS®

Transition Networks' managed S3280 NID provides advanced packet performance metering and service creation directly at customer premises and cell sites. The S3280 is designed for business Ethernet and mobile backhaul deployments.

The S3280 is a multi-service NID that provides SLA-assurance and advanced fault management that is certified to MEF standards. It delivers IEEE 802.1ag Service OAM, ITU Y.1731 Performance Monitoring and IEEE 802.3ah Link OAM.

The S3280 supports advance features such as IPv6 and IPv4, VLANs, QoS, bandwidth allocation, ring protection, jumbo frames and numerous security features.

The S3280 can be managed via Web, CLI and SNMP (v1, v2c & v3). The product also supports SSL/SSH, RADIUS and Management VLAN.

The S3280 offers multiple power inputs for redundancy and DC inputs for extended operating temperature in extreme environments.

The SFP ports are triple speed and support 100Mbps, 1000Mbps or SGMII SFPs. CWDM and Bi-Di SFPs are also supported, allowing for flexible network architectures.

Ordering Information

S3280-TST
(4) 10/100/1000Mbps RJ45 ports with
(4) 100/1000Mbps SFP ports
Includes IEEE 1588v2
and RFC2544 traffic generator

Mounting Options (sold separately)

S3280-19RM
19" Rack Mount Kit for S3280-TST

Features

- 4 x 10/100/1000Mbps Base–T ports; 4 x 100/1000Mbps SFP ports; Any port can be network or client
- SNMP v1, v2c, and v3
- IPv6 and IPv4 support
- VLAN (802.1Q); Q-in-Q (C-Tag / S-Tag)
- RMON and Syslog
- OAM Support: IEEE 802.3ah Link OAM; IEEE 802.1ag Service OAM and ITU Y.1731 Performance Monitoring
- Protection: ITU G.8032/G.8031; STP, RSTP, MSTP
- IEEE 1588v2
- Redundant DC power (18-57VDC) via power block or AC power via barrel connector
- Jumbo Frame Support (9.6K)
- Fan-less design
- Wire speed loopbacks
- RFC 2544 Traffic Generator / Reports

Specifications

Standards	IEEE 802.3
	IEEE 802.3u
	IEEE 802.3z
	IEEE 802.3ab
	IEEE 802.3x
	IEEE 802.3ad
	IEEE 802.1D
	IEEE 802.1p
	IEEE 802.1Q
	IEEE 802.1w
	IEEE 802.1s
	IEEE 802.1x
	IEEE 802.1AB
	IEEE 802.3ah
	IEEE 802.1ag
	IEEE 1588-2008 (v2) Precision Time Protocol (PTP)
	ITU G.8261 Synchronous Ethernet ITU Y.1731 PM
Max MAC Addresses	8K
Max Frame Size	9,600 bytes (9.6K)
Data Rate	Copper ports (RJ-45): 10/100/1000 Mbps
	SFP ports (empty): 100/1000 Mbps or SGMII
Status LEDs	Power, Port Activity and Port Duplex
Dimensions	Width: 9.78" [248.23 mm]
	Depth: 6.5" [165 mm]
	Height: 1.75" [44.45 mm]
Input Power	AC: 12 VDC via barrel connector using 100-240VAC
	Redundant DC: 18-57VDC via terminal block
Environment	Operating: -20°C to +65°C (Long Term Operating Temp)
	Operating: -40°C to +75°C (Short Term Operating Temp)
	Humidity: 5% to 95% (non-condensing)
	Storage: -40°C to +85°C
Compliance	EN55022 Class A, FCC Class A, CE Mark, UL Listed
Warranty	5 Year Hardware

Software Features

- E-LINE (EPL and EVPL), E-LAN (EP-LAN and EVP-LAN), E-ACCESS (ACCESS EPL and EVPL)
- UNI or NNI configuration
- TOS/Diffserv
- Quality of Service (802.1p): 8 queues; strict priority and WRR, shaping, policing, P-bit and DSCP
- Management via CLI, Telnet, SSH, SSL, SNMPv1, v2c & v3
- Port configuration, status, statistics and monitoring
- RADIUS, TACACS+ and ACL
- Remote backup / restore of configuration
- Remote firmware upgrades
- Alarms via Syslog & SNMP
- Remote loopbacks
- L2CP
- LLDP
- Diagnostic Monitoring Interface – SFF-8472
- Dying/Last Gasp
- Port Mirroring
- Link Aggregation Control Protocol (LACP)