

Remotely Managed NID with Built-in Traffic Generator



Transition Networks' managed S3290 NID provides advanced packet performance metering and service creation directly at the customer premises and cell sites. The S3290 is optimized for business Ethernet and mobile backhaul deployments.

The S3290 is a multi-service NID that provides SLA-assurance and advanced fault management that is MEF CE 2.0 certified. The S3290 supports advanced features and numerous security features. The S3290 can be managed and provisioned with

Transition Networks CommandPoint NMS or via Web, CLI and SNMP (v1, v2c & v3). The S3290 offers AC or DC power inputs for operation in a variety of environments. The SFP ports support 100Mbps, 1000Mbps or SGMII SFPs. CWDM and Bi-Di SFPs are also supported, allowing for flexible network architectures.

Features

- Any port can be network (NNI) or client (UNI)
- MPLS-TP
- SNMP v1, v2c, and v3
- IPv6 and IPv4 support
- VLAN (IEEE 802.1Q) in-Q (C-Tag / S-Tag)
- RMON and SYSLOG
- OAM Support:
 - IEEE 802.3ah Link OAM.
 - IEEE 802.1ag Service OAM
 - ITU Y.1731 Performance Monitoring
- Protection:
 - ITU G.8032/G.8031
 - IEEE RSTP, MSTP
- IEEE 1588v2
- DC or AC power input
- Jumbo Frame Support (10K)
- Fan-less design
- Wire speed loopbacks
- RFC 2544 and Y.1564 Traffic Generation and Reports
- SLA Enforcement Performance statistics

Software Features

- E-LINE (EPL and EVPL)
E-LAN (EP-LAN and EVP-LAN)
E-ACCESS (ACCESS EPL and EVPL)
E-TREE (EP-TREE and EVP-TREE)
- UNI or NNI configuration
- TOS/DiffServ
- Quality of Service (IEEE 802.1p):
8 queues; strict priority and WRR, shaping, policing, P-bit and DSCP

Specifications

| | | |
|-------------------|---|---------------|
| Standards | IEEE 802.3 | IEEE 802.3u |
| | IEEE 802.3z | IEEE 802.3ab |
| | IEEE 802.3x | IEEE 802.3ad |
| | 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) | ITU Y.1731 PM |
| Data Rate | Copper: 10/100/1000 Mbps (RJ-45) SFP (empty): 100/1000 Mbps or SGMII | |
| Max MAC Address | 8K | |
| Max VLANs | 4K | |
| Max Frame Size | 10,000 bytes (10K) | |
| Status LEDs | Power, Port Activity, Port Duplex | |
| Dimensions | Width: 5.95" [151.13 mm] Depth: 6.5" [165.1 mm] Height: 1" [25.4 mm] | |
| Power Consumption | Barrel input: 520 mA at 12 VDC Terminal block input: 340 mA at 21 VDC | |
| Power Input | AC: 12 VDC via barrel connector using 100-250VAC The following AC adapters are available: Power Supply 25025 temperature range: 0°C to 30°C (included with product) Power Supply 25132 temperature range: -30°C to 70°C (sold separately) DC: 21-60VDC via terminal block | |
| Environment | Operating: 0°C to +65°C Storage: -40°C to +85°C Humidity: 5% to 95% (non-condensing) | |
| Certifications | UL listed, CE, EN55022 Class A | |
| Warranty | 5 Year Hardware | |



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: S3290-24-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

S3290-24

- (2) 10/100/1000Mbps RJ-45 ports with
- (4) 100/1000Mbps SFP ports

S3290-42

- (4) 10/100/1000Mbps RJ-45 ports with
- (2) 100/1000Mbps SFP ports

Optional Accessories (sold separately)

SFP Modules

25132

Optional Power Supply supporting an operating environment of -30°C to 70°C

S3290-RPS

Isolated Wide Input 20W Power Supply Assembly

Mounting Options (sold separately)

WMBL

Wall Mount Bracket Long Kit

WMBD

DIN Rail Vertical Mount Kit

S3290-RM-BRKT

Single Rack Mount Bracket for one S3290; The use of two brackets allows two S3290 units to be installed in 1U of rack space

RMS19-NID2-01

2-Slot S3290 shelf, includes 4 device brackets and reversible rack mount ears

Software Features Continued

- Management via CommandPoint NMS, CLI, Web, SSH/SSL and SNMP (V1, V2, & V3)
- Port configuration, status, statistics and monitoring
- RADIUS, TACACS+ and ACL
- Remote backup / restore 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)