

Conformal Coated Hardened Cisco Compatible Gigabit SFP Modules



Applications

- Gigabit data connectivity in harsh environments
- 1000Base-X Ethernet

Features

Cisco Compatibility – Guaranteed

Hardened Operating Temperature

EIA-364-65B, Class IIIA Certified

Conformal Coating

Digital Diagnostic Monitoring

Benefits

The TN-SFP-GE-x-C Series complies with the MSA standard and fully complies with OEM (such as Cisco) equipment without requiring a workaround and are truly “plug-and-play”

Reliably operates within a wide temperature range (-40C to +85C) for hardened environments

Passed EIA-364-65B, Class IIIA testing including exposure of the SFPs in Mixed Flowing Gas for 20 days that is the accepted equivalency of 10 years in a harsh environment

Protects against humidity, chemical and thermal variations, improves performance and reliability of SFPs subject to harsh environments

Allows access to real-time operating parameters, provides component level monitoring, fault isolation and failure prediction functions on their transceiver based applications

Hardened Cisco Compatible Gigabit SFP Modules with Conformal Coating

1000Base-X (LC) With DMI



Features

- Extended operating temperature -40°C to +85°C
- Compliant with IEEE 802.3z Gigabit Ethernet Standard
- SFF-8472 Digital Diagnostic Function (DMI)
- With Conformal Coating
- Comply to EIA-364-65B Class IIIA

Specifications

Standards	IEEE 802.3z
Dimensions	Width: 0.52" [13 mm] Depth: 2.18" [55 mm] Height: 0.33" [8 mm]
Power Consumption	0.66 Watts
Power Input	3.3V
Environment	Operating: -40°C to 85°C
Certifications	IEC-60825, FDA 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

Ordering Information

Duplex

TN-SFP-GE-S-C

1000Base-SX 850nm multimode (LC) with DMI [62.5/125 μ m: 220 m/722 ft.]
Link Budget: 8.5 dB
[50/125 μ m: 550 m/1804 ft.]
Link Budget: 8.5 dB

TN-SFP-GE-L-C

1000Base-LX 1310nm single mode (LC) with DMI [10 km/6.2 mi.] Link Budget: 10.5 dB

TN-SFP-GE-Z-C

1000Base-LX 1550nm single mode (LC) with DMI [80 km/49.7 mi.]
Link Budget: 24.0 dB

Note: The Transition Networks TN-SFP-GE-x-C series small form factor pluggable (SFP) transceiver modules are designed to install in any SFP port allowing for 1000Base-SX or 1000Base-LX interfaces to the network through the SFP connector. The TN-SFP-GE-x-C transceivers are Cisco Compliant* and are designed for bi-directional serial-optical data communication such as Gigabit Ethernet or fiber channel at speeds up to 1.25 Gbps.

*Transition Networks' SFP modules fully comply with the Multi-Sourcing Agreement (MSA). This compliance allows our SFP modules to be used in all other MSA compliant SFP platforms. In addition, Transition Networks SFP modules are also Compliant with all Cisco SFP-based routers and switches, as well as Cisco's IOS software. Transition Networks SFP modules ARE NOT Cisco OEM brand modules.