

NEW  
PRODUCT

HP Compatible 10G SFP+

# TN-J91xx

## 10GBase SFP+ Modules: 10GBase SFP+ HP Compatible



### Features

- ▶ SFP+ Optical Transceiver with LC connector
- ▶ 10G small Form-Factor Pluggable (SFP+) MSA compatible
- ▶ Compliant with IEEE 802.3ae 10GBASE-SR/LR/LW
- ▶ SFF-8472 Digital Diagnostic Function (DDI)
- ▶ Maximum Link Length of 80KM
- ▶ Single +3.3 V Power Supply
- ▶ RoHS Compliant (all models)
- ▶ Class 1 Laser International Safety Standard IEC 60825 Compliant

\* Note: The Transition Networks TN-SFP-10G-xx series 10G SFP+ transceiver modules are designed to install in any SFP+ port allowing for 10GBase-X interfaces to the network through the SFP+ connector. The TN-SFP-10G-xx transceivers are Cisco compatible\* and are designed for bi-directional serial-optical data communication such as 10G Ethernet at speeds up to 10.3 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, TN SFP modules are also compatible with all Cisco SFP+ based routers and switches, as well as Cisco's IOS software. TN SFP+ modules ARE NOT Cisco OEM brand module

### Applications

- ▶ 10G Ethernet Switches and Routers
- ▶ Metro Edge Switching

### Specifications

Standards	IEEE802.3z, IEEE802.3
Output Wavelength	-5.5nm < $\lambda_c$ < +7.5nm
Dimensions	<b>Width:</b> 0.52" [13 mm] <b>Depth:</b> 2.18" [55 mm] <b>Height:</b> 0.33" [8 mm]
Power	3.3V
Environment	0°C to 70°C operating -40°C to 85°C storage
Compliance	IEC-60825; FDA 21; CFR 1040.10 and 1040.11
Warranty	Lifetime

### Ordering Information

**\*TN-J9150A**

10GBase-SR, SFP+  
w/ Digital Diagnostics (DDI) 850nm (LC)  
[300/82/33 m; 985/269/108 ft.]  
Link Budget: 4.0 dB

**TN-J9151A**

10Gbase-LR, SFP+  
w/Digital Diagnostics (DDI) 1310nm (LC)  
[10 km/6.2 mi.] Link Budget: 9.0 dB

**TN-J9152A**

10Gbase-LRM, SFP+  
w/Digital Diagnostics (DDI) 1310nm (LC)  
[220m; 722 ft.] Link Budget: 1.5 dB

**TN-J9153A**

10Gbase-ER, SFP+  
w/Digital Diagnostics (DDI) 1550nm (LC)  
[40 km/24.9 mi.] Link Budget: 14.1 dB

**\*TN-JD092B**

10Gbase-SR, SFP+  
w/Digital Diagnostics (DDI) 850nm (LC)  
[300/82/33 m; 985/269/108 ft.]  
Link Budget: 4.0 dB

**TN-JD093B**

10Gbase-LRM, SFP+  
w/Digital Diagnostics (DDI) 1310nm (LC)  
[220m; 722 ft.] Link Budget: 1.5 dB

**TN-JD094B**

10Gbase-LR, SFP+  
w/Digital Diagnostics (DDI) 1310nm (LC)  
[10 km/6.2 mi.] Link Budget: 9.0 dB

\*Distance up to 300m on 50/125 OM3 multi-mode fiber, up to 82 m for 50/125  $\mu$ m multi-mode fiber with model.

Bandwidth 500 MHz-km at 850nm, and up to 33 m for 62.5/125  $\mu$ m multi-mode fiber with model bandwidth 200 MHzkm at 850nm.