

TN-10GSFP-xRx Series

MSA Compliant 10GBase SFP+ Modules

10GBase-X, SFP+ With DMI (LC)



TN-10GSFP-LR1

Features

- SFP+ Optical Transceiver
- 10G Small Form-Factor Pluggable (SFP+) MSA Compliant
- SFF-8472 Digital Diagnostic Function (DDF)
- Single +3.3 V Power Supply
- Up to 10.5 Gbps bidirectional data links
- RoHS Compliant (all models)
- Class 1 Laser International Safety Standard IEC 60825 Compliant
- Compliant with IEEE 802.3ae 10GBase-SR/SW (TN-10GSFP-SR Module Only)
- Link Length up to 300 m with OM3 multimode fiber; 82m with OM2 multimode fiber; 33m with OM1 multimode fiber (TN-10GSFP-SR Module Only)
- Compliant with IEEE 802.3ae 10GBase-LR/LW
- Maximum Link Length of 70KM

Specifications

| | |
|--------------|---|
| Standards | IEEE 802.3ae |
| Data Rates | 10.3 Gbps |
| Dimensions | Width: 0.52" [13 mm] Depth: 2.2" [56 mm] Height: 0.33" [8 mm] |
| Power Supply | +3.3V |
| Environment | Operating: 0°C to 70°C Operating: -40°C to +85°C (TN-10GSFP-xxT) Storage: -40°C to 85°C |
| Compliance | IEC-60825, FAD 21, CFR 1040.10 and 1040.11 |
| Warranty | Lifetime |

Ordering Information

Duplex

*TN-10GSFP-SR

10GBase-SR/SW, SFP+ with DMI 850nm multimode (LC) [300/82/33 m; 985/269/108 ft.] Link Budget: 2.6 dB

TN-10GSFP-LR1

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [10 km/6.2 mi.] Link Budget: 6.4 dB

TN-10GSFP-LR2

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [20 km/12.4 mi.] Link Budget: 11.4 dB

TN-10GSFP-LR4

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [40 km/24.9 mi.] Link Budget: 16.5 dB

TN-10GSFP-LR7

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [70 km/43.4 mi.] Link Budget: 25 dB

Extended Operating Temperature
-40°C to +85°C

TN-10GSFP-SRT

10GBase-SR/SW, SFP+ with DMI 850nm multimode (LC) [300/82/33 m; 985/269/108 ft.] Link Budget: 2.6 dB

TN-10GSFP-LR1T

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [10 km/6.2 mi.] Link Budget: 9.0 dB

**Distance up to 300m on 50/125 OM3 multimode fiber, up to 82 m for 50/125 um multimode fiber with model.*

Bandwidth 500 MHz-km at 850nm, and up to 33m for 62.5/125 um multimode fiber with model bandwidth 200 MHzkm at 850nm.