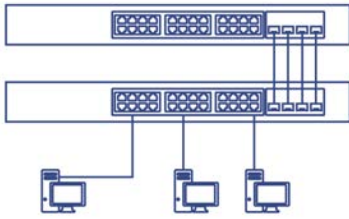# TRENDnet

SFP+ Single Mode LC Module (10km)
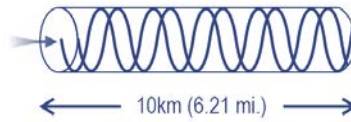
TEG-10GBS10 (v3.0R)

- Transmission distance of up to 10km (6.21 mi.)
- Duplex LC optical interface
- Supports data rates of up to 10.31Gbps
- Supports 1310nm single mode network transmissions
- Low Electromagnetic Interference (EMI) design
- Compliant with IEEE 802.3ae 10 Gigabit Ethernet
- Digital Diagnostics Monitoring (DDM) support
- Small Form-Factor Pluggable (SFP+) and Multi-Source Agreement (MSA) compliant
- Low power consumption

TRENDnet's SFP+ Single Mode LC Modules are compatible with standard SFP+ slots found on network switches and fiber converters. Each single mode 10G SFP+ transceiver is equipped with a duplex LC fiber connection interface, and supports high-speed data rates up to 10.31Gbps. All TRENDnet 10G SFP+ fiber modules support connections for reliable, long-distance network applications.
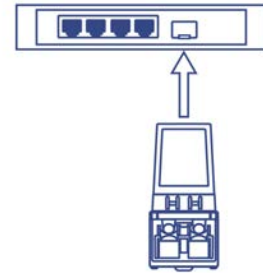
Fiber Applications
Long distance fiber networking for manufacturing, business parks, and school campus applications.

Fiber Mode/Distance
Single mode 10G SFP+ transceiver spans distances up to 10km (6.21 mi.) at gigabit speeds.

Compatibility
Hot-pluggable SFP+ transceiver works with a MSA compliant 10G SFP+ slot.

FEATURES

Fiber Distance
Ideal for long-range networking distances

Fiber Interface
This single mode fiber SFP+ transceiver supports LC-type duplex connector

Fiber Wavelength
Single mode fiber SFP+ module compatible with 1310nm transmissions

Data Rate
10GB SFP supports data rates up to 10.31Gbps

Hot-Pluggable SFP
Hot-pluggable 10G SFP+ transceiver compatible with an MSA compliant SFP slot

SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3ae
- 10GBASE-LR

Device Interface
- SFP+ MSA Compliant
- LC duplex connector

Data Transfer Rate
- 10.31Gbps

Wavelength
- 1310nm

Optical Output Power
- -6.2 ~ 0.5 dBm

Distance
- 10km (6.2 mi)

Special Features
- Hot pluggable
- Metal enclosure
- DDM support

Sensitivity
- -15 dBm

Power
- Max. Consumption: 0.8W

Operating Temperature
- 0° – 70° C (32° – 158° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 58 x 13.4 x 12.6mm (2.2 x 0.5 x 0.5 in.)

Weight
- 18g (0.6 oz.)

Certifications
- CE
- FCC

Warranty
- 3 year

Package Contents
- TEG-10GBS10
- Quick Installation Guide

Updated: 4/29/2021