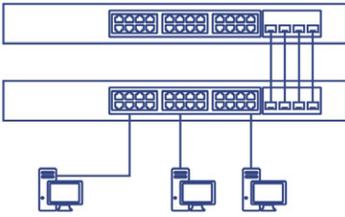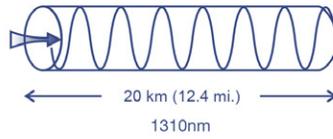# SFP Single Mode LC Module (20km)

TEG-MGBS20 (v1.0R)

- Compliant with IEEE 802.3z Gigabit Ethernet
- ANSI Fiber Channel compliant
- Small Form-Factor Pluggable (SFP) and Multi-Source Agreement (MSA) compliant
- Supports data rates of up to 1.25Gbps
- Transmission distance of up to 20km (12.4 mi.)
- Low Electromagnetic Interference (EMI) design
- Supports 1310nm singlemode network transmissions
- Duplex LC optical interface
- Low power consumption
- Lifetime Warranty

TRENDnet's SFP Single Mode LC Module, model TEG-MGBS20, is compatible with standard SFP slots found on network switches and fiber media converters. Each TEG-MGBS20 single mode fiber SFP is equipped with a duplex LC fiber connection interface, supports high-speed data rates up to 1.25Gbps, and supports gigabit single mode fiber connections for long distance network applications up 20km (12.4 mi.).
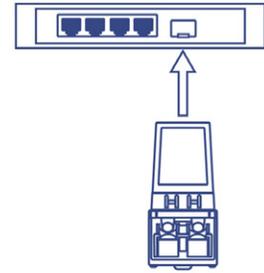
Fiber Applications
Long distance fiber networking for manufacturing, business parks, and school campus applications.
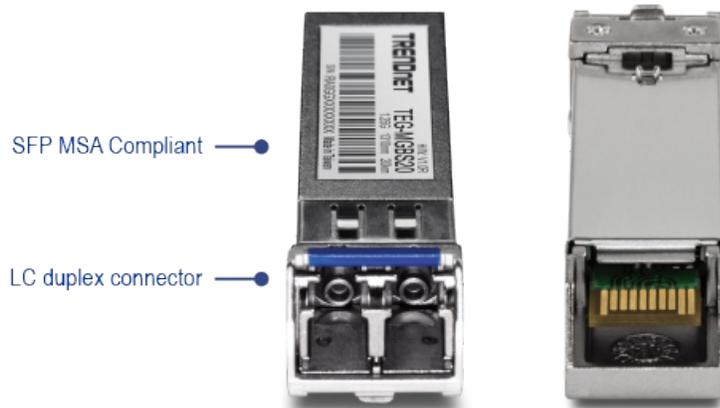
Fiber Mode/Distance
Single-mode transceiver spans distances up to 20km (12.4 mi.) at gigabit speeds.

Compatibility
Hot-pluggable with an MSA compliant SFP slot and compatible with fiber cables with LC-type duplex connectors.

NETWORKING SOLUTION

SFP MSA Compliant

LC duplex connector

TRENDnet®

FEATURES

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

Fiber Wavelength
Single mode fiber SFP compatible with 1310nm transmissions

Fiber Distance
Supports networking for distances up to 20km (12.4 mi.)

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

SPECIFICATIONS

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z

Device Interface
- SFP MSA Compliant
- LC duplex connector

Data Transfer Rate
- 1.25Gbps

Wavelength
- 1310nm

Optical Output Power
- -9 ~ -3 dBm

Distance
- 20km (12.42 mi)

Special Features
- Hot pluggable
- Metal enclosure

Sensitivity
- -22 dBm

Power
- Max. Consumption: 0.8W

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

Operating Humidity
- Max. 85% non-condensing

Dimensions
- 57 x 13 x 12 mm (2.2 x 0.5 x 0.5 in.)

Weight
- 18g (0.6 oz.)

Certifications
- CE
- FCC

Warranty
- Lifetime Warranty

Package Contents
- TEG-MGBS20
- Quick Installation Guide

TRENDnet offers a lifetime warranty on selected fiber networking products that have been purchased in the United States/Canada on or after 1/1/2019.

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

Updated: 1/7/2021