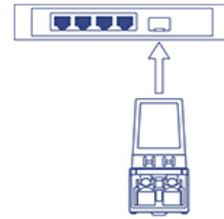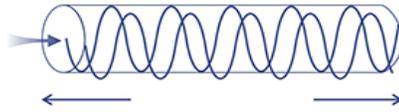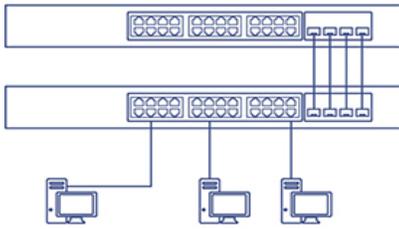# TRENDNET®

100Base-FX SFP Single-Mode LC Module (20 km)

TE100-MGBS20 (v1.2R)

- Compatible with standard SFP (Mini-GBIC) slots
- Supports 155 Mbps connection speeds
- Supports 1310 nm Single-Mode network transmissions
- Compatible with Duplex-LC fiber connector types
- Supports fiber connections for distances up to 20 km (12.4 miles)

The 100Base-FX SFP Single-Mode LC Module, model TE100-MGBS20, works with standard SFP (Mini-GBIC) slots on most switches and supports Single-Mode network transmission speeds of up to 155 Mbps. The TE100-MGBS20 is compatible with Duplex-LC fiber connector types and supports fiber optic connection distances of up to 20 kilometers (12.4 miles).

TRENDNET

Fiber Applications
Long distance fiber networking for industrial, manufacturing, and corporate / education campus applications.
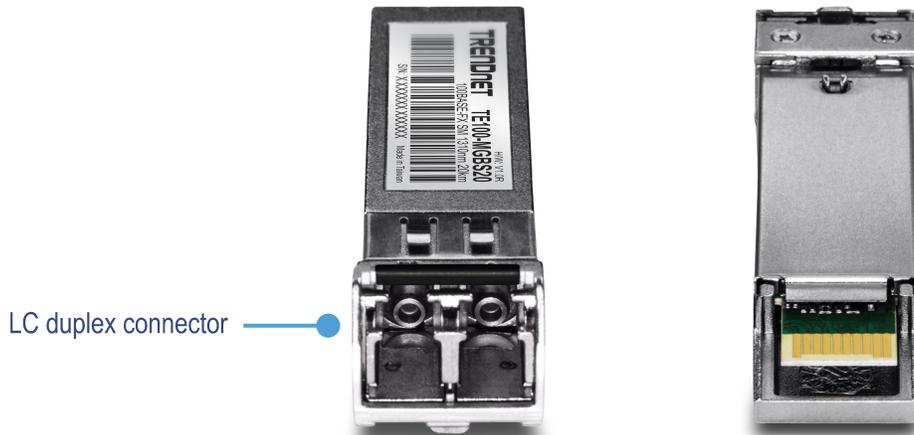
Fiber Mode / Distance
Single-Mode transceiver spans distances up to 20 km (12.4 miles) and supports up to 155 Mbps.

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

Networking Solution

LC duplex connector

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

Fiber Wavelength
Compatible with Single-Mode 1310 nm transmissions

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

Fiber Interface
LC-type duplex connector

Operating Temperature
Rated for an operating temperature range of 0 to 70 °C (32 to 158 °F)

Specifications

Standards	• IEEE 802.3u
Device Interface	• SFP + MSA Compliant • LC duplex connector
Data Transfer Rate	• 155 Mbps
Wavelength	• 1310 nm
Optical Output Power	• -15 ~ -8 dBm
Distance	• 20 km (1.24 miles)
Special Features	• Hot pluggable • Metal enclosure
Sensitivity	• -34 dBm
Power	• Consumption: 439 mW

Operating Temperature	• 0 – 70 °C (32 - 158 °F)
Operating Humidity	• Max. 90% non-condensing
Dimensions	• 13 x 53 x 10 mm (0.5 x 2.1 x 0.4 in)
Weight	• 18 g (0.6 oz.)
Certifications	• CE • FCC
Warranty	• Lifetime Warranty*

PACKAGE CONTENTS
• TE100-MGBS20

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