



## 1000Base-EX Industrial SFP Single-Mode LC Module (40km)

TI-MGBS40 (v1.0R)

- Compliant with IEEE 802.3z Gigabit Ethernet
- ANSI Fiber Channel compliant
- Small Form-Factor Pluggable (SFP) and Multi-Source Agreement (MSA) compliant
- Wide operating temperature range of -40° – 85 °C (-40° – 185 °F)
- Supports data rates of up to 1.25Gbps
- Transmission distance of up to 40km (24.8 miles)
- Low Electromagnetic Interference (EMI) design
- Supports 1310nm single-mode network transmissions
- Duplex LC optical interface
- Low power consumption
- Lifetime Warranty\*

The 1000Base-EX Industrial SFP Single-Mode LC Module, model TI-MGBS40, is designed to operate within a wide temperature range and is well suited for industrial environments. This SFP module works with standard SFP slots found on industrial switches and fiber converters. The TI-MGBS40 is compatible with duplex LC fiber connector types and supports gigabit single-mode fiber connections at distances of up to 40 kilometers (24.8 miles).



### 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 40 km (24.8 miles)



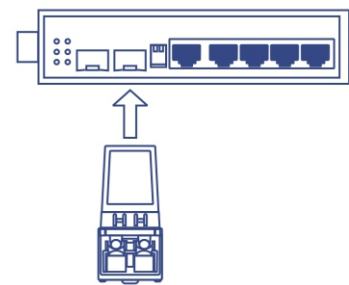
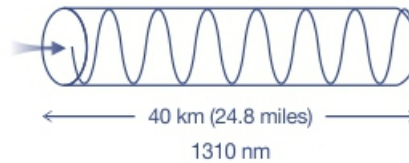
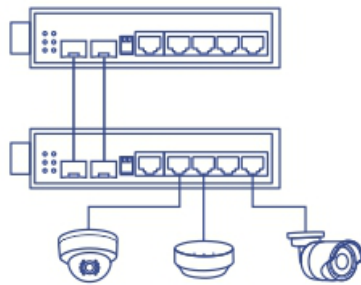
### Fiber Interface

LC-type duplex connector



### Operating Temperature

Rated for an operating temperature range of -40° – 85 °C (-40° – 185 °F)



### Fiber Applications

Long distance fiber networking for industrial, manufacturing, and corporate / education campus applications.

### Fiber Mode / Distance

Single-Mode transceiver spans distances up to 40 km (24.8 miles) and supports up to 1.25Gbps.

### Compatibility

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

Duplex LC optical interface



## 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

- -3 ~ -3 dBm

### Distance

- 40km (28.8 mi.)

### Special Features

- Hot pluggable
- Metal enclosure

### Sensitivity

- -23 dBm

### Power

- Consumption: 1W

### Operating Temperature

- -40 – 85 °C (-40 – 185 °F)

### Operating Humidity

- Max. 95% non-condensing

### Dimensions

- 57 x 13 x 8.5 mm (2.2 x 0.5 x 0.3 in.)

### Weight

- 19g (0.67 oz.)

### Certifications

- CE
- FCC

### Warranty

- Lifetime Warranty\*

### Package Contents

- TI-MGBS40
- Quick Installation Guide

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.