

## 1000Base-SX Industrial SFP Multi-Mode LC Module (550 m)

TI-MGBSX (v1.1R)

- 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 1.25 Gbps
- Transmission distance of up to 550 m (1804 ft.)
- Low Electromagnetic Interference (EMI) design
- Supports 850 nm multi-mode network transmissions
- Duplex LC optical interface
- Low power consumption
- 3-year warranty

The 1000Base-SX Industrial SFP Multi-Mode LC Module, model TI-MGBSX, 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-MGBSX is compatible with Duplex LC fiber connector types and supports gigabit multi-mode fiber connections at distances of up to 550 m (1804 ft.).



## Hot-Pluggable SFP

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



## Fiber Wavelength

Compatible with multi-mode 850 nm transmissions



## Fiber Interface

LC-type duplex connector



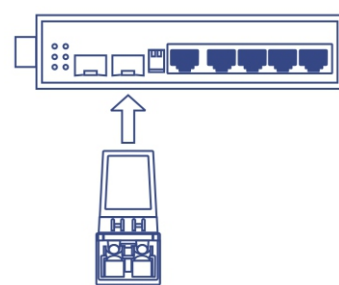
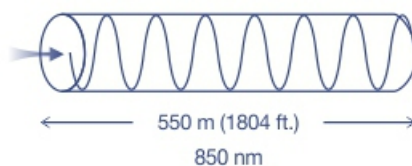
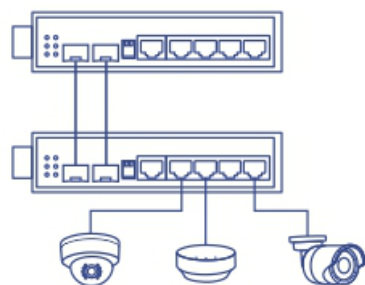
## Operating Temperature

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



## Fiber Distance

Supports networking for distances up to 550 m (1804 ft.)



## Fiber Applications

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

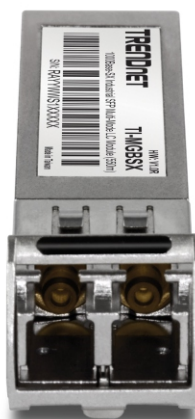
## Fiber Mode / Distance

Multi-Mode transceiver spans distances up to 550 m (1804 ft.) and supports up to 1.25 Gbps.

## 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

- 1.25 Gbps

### Wavelength

- 850 nm

### Optical Output Power

- -9 ~ -3 dBm

### Distance

- 550 m (1804 ft.)

### Special Features

- Hot pluggable
- Metal enclosure

### Sensitivity

- -20 dBm

### Power

- Consumption: 1 W

### 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

- 17g (0.6 oz.)

### Certifications

- CE
- FCC

### Warranty

- 3-year warranty

### Package Contents

- TI-MGBSX
- Quick Installation Guide