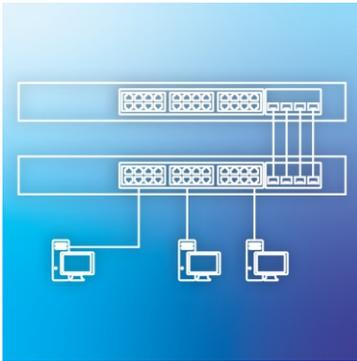


## 1000Base-LX Industrial SFP Single- Mode LC Module (20km)

TI-MGBS20 (v1.xR)

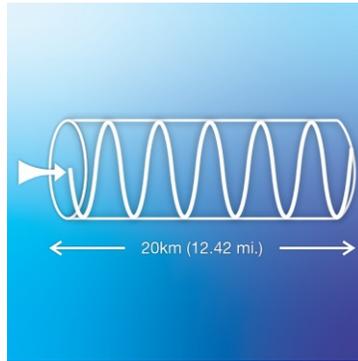
- Compliant with IEEE 802.3z Gigabit Ethernet
- ANSI Fiber Channel compliant
- Small Form-Factor Pluggable (SFP) and Multi-Source Agreement (MSA) compliant
- Extreme operating temperature range of -40°– 85 ° C (-40° – 185 ° F)
- Supports data rates of up to 1.25Gbps
- Transmission distance of up to 20km (12.42 mi.)
- Low Electromagnetic Interference (EMI) design
- Supports 1310nm single -mode network transmissions
- Duplex LC optical interface
- Low power consumption
- Lifetime Warranty
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 1000Base-LX Industrial SFP Single -Mode LC Module, model TI-MGBS20, is designed to operate within an extreme temperature range and is well suited for industrial environments. This industrial SFP module works with standard SFP slots found on industrial switches and fiber media converters. The TI-MGBS20 industrial SFP is compatible with duplex LC fiber connector types and supports gigabit single- mode fiber connections at distances of up to 20 km (12.42 mi.).



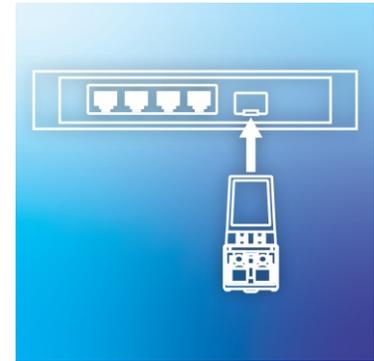
### Fiber Applications

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



### Fiber Distance

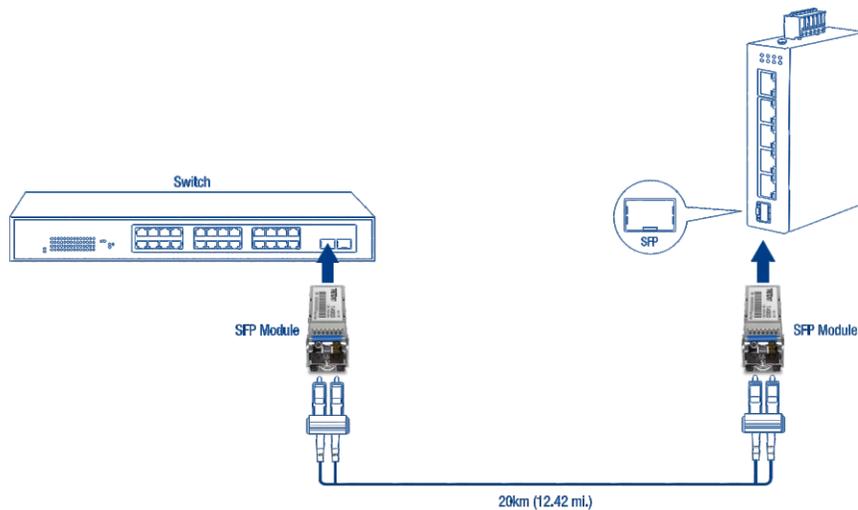
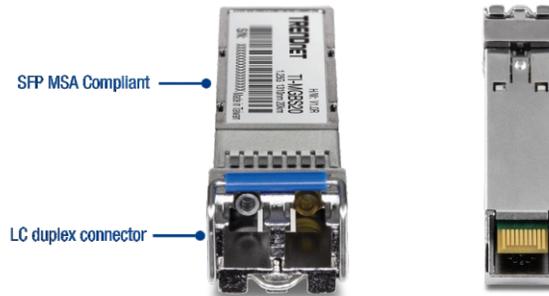
Single- Mode transceiver spans distances up to 20km (12.42 mi.) and supports up to 1.25Gbps.



### Compatibility

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

## NETWORKING SOLUTION



## FEATURES



### Hot-Pluggable SFP

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



### Fiber Wavelength

Compatible with single mode 1310nm wavelength



### Fiber Distance

This industrial SFP Supports networking for distances up to 20km (12.42 mi.)



### Fiber Interface

LC-type duplex connector



### Operating Temperature

The industrial SFP is rated for an extreme operating temperature range of -40°– 85 ° C (-40° – 185 ° F)

## SPECIFICATIONS

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- 1000BASE-LX

### 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

- -23 dBm

### Power

- Consumption: 1W

### Operating Temperature

- -40° – 85° C (-40° – 185° 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

- 19g (0.67 oz.)

### Certifications

- CE
- FCC

### Warranty

- Lifetime Warranty

### Package Contents

- TEG-MGBS20

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.

TRENDnet offers a lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.