# GSFP-1310-20-SMF

Gigabit Optical Module

• Single mode double fiber
• LC port
• 1310nm sending, and 1310nm receiving
• Transmission distance up to 20 km

## Series Overview

Industrial Optical Module Series is a hot-pluggable device with a unique sturdy design. Developed to adapt to even the harshest of environments, it has a wide operating temperature range and is Plug and Play (PnP).

## Functions

### Wide Operating Temperature
Developed to operate in extreme conditions, the device functions in temperatures ranging from –40 °C to +85 °C, easily adapting to harsh environments.

### Plug and Play
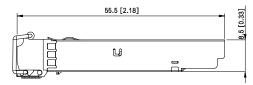No configuration is required. Suitable for terminal connection.

## Scene

This Series is widely used in various broadband data transmission scenarios, such as in intelligent traffic, telecom, security, finance, custom, shipping, electricity, water conservancy and oil fields. It is also suitable for work with switches and other devices.

## Technical Specification

### Hardware

| | |
|---|---|
| Optical Fiber Type | Single mode double fiber |
| Optical Port Type | LC |
| Speed | 1 Gbps |

### Performance

| | |
|---|---|
| Wavelength | 1310 nm sending; 1310 nm receiving |
| Transmission Distance | 20 km |
| Relative Humidity | 5%–95% |
| Operating Temperature | −40 °C to +85 °C (−40 °F to 185 °F) |
| Storage Temperature | −40–85 °C |
| Max. Speed of Optical Port | 1 Gbps |
| Product Dimensions | 55.5 mm × 13.4 mm × 8.5 mm (2.19" × 0.53" × 0.33") |

## Ordering Information

| Type | Model | Description |
|---|---|---|
| Accessories | GSFP-1310-20-SMF | Speed 1Gbps<br>Single mode double fiber;<br>1310 nm sending, and 1310 nm receiving;<br>Transmission distance up to 20 km |
| | GSFP-1310R-20-SMF | Speed 1Gbps<br>Single mode single fiber;<br>1550 nm sending, and 1310 nm receiving;<br>Transmission distance up to 20 km |
| | GSFP-1310T-20-SMF | Speed 1Gbps<br>Single mode single fiber;<br>1310 nm sending, and 1550 nm receiving;<br>Transmission distance up to 20 km |
| | SFP-1310T-20-SMF | Speed 100Mbps<br>Single mode single fiber;<br>1310 nm sending, and 1550 nm receiving;<br>Transmission distance up to 20 km |
| | SFP-1310R-20-SMF | Speed 100Mbps<br>Single mode single fiber;<br>1550 nm sending, and 1310 nm receiving;<br>Transmission distance up to 20 km |
| | TSFP-850-MMF | Speed 10Gbps<br>Multiple mode double fiber;<br>850 nm sending, and 850 nm receiving;<br>Transmission distance up to 300 m |
| | GSFP-850-MMF | Speed 1Gbps<br>Multiple mode double fiber;<br>850 nm sending, and 850 nm receiving;<br>Transmission distance up to 550 m |
| | SFP-850-MMF | Speed 100Mbps<br>Multiple mode double fiber;<br>850 nm sending, and 850 nm receiving;<br>Transmission distance up to 2 km |
| | TSFP-1270T-20-SMF | Speed 10Gbps<br>Single mode single fiber;<br>1270 nm sending, and 1330 nm receiving;<br>Transmission distance up to 20 km |
| | TSFP-1270R-20-SMF | Speed 10Gbps<br>Single mode single fiber;<br>1330 nm sending, and 1270 nm receiving;<br>Transmission distance up to 20 km |

## Dimensions (mm[inch])