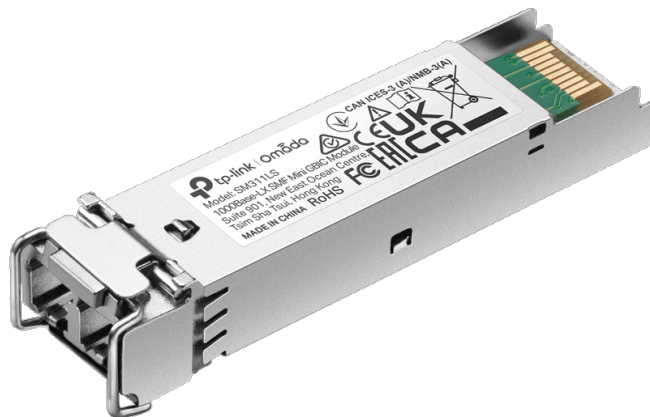


# 1000Base-LX SMF Mini GBIC Module

## Datasheet

MODEL: SM311LS (TL-SM311LS)



# Overview

The SM311LS (TL-SM311LS) Fiber Module Cards are introduced to extend transferring distance. Installed in our managed/smart switches, they can extend the distance to even tens of kilometers, which basically satisfy the distance requirement of LAN. Users can choose the fiber modules according to specific demands.

## Highlights

- Up to 20 km transmission distance in 9/125 µm SMF (Single-Mode Fiber)
- Supports Digital Diagnostic Monitoring (DDM)
- Compatible with Small Form Pluggable Multi-Source Agreement (SFP-MSA)
- Hot-Pluggable with maximum flexibility
- Commercial Product Operating Temperature Range: 0-70°C

## Specifications

Model	SM311LS(TL-SM311LS)
Standards and Protocols	IEEE 802.3z, TCP/IP
Wave Length	1310 nm
Dimensions (W*D*H)	2.2*0.6*0.5 in (55.4*14.6*12.9 mm)
Power Supply	3.3V /
Safety & Emission	FCC, CE
Cabel	Single-Mode Fiber
Fiber Type	9/125 µm Single-Mode
Max. Cable Length	20 KM
Data Rate	1.25Gbps
Port Type	LC Duplex
Hardware Features	<ul style="list-style-type: none"><li>• DDM</li><li>• SFP-MSA</li><li>• Hot Swappable</li></ul>
Package Contents	<ul style="list-style-type: none"><li>• SFP Module SM311LS (TL-SM311LS)</li><li>• Installation Guide</li></ul>
Environment	Operating Temperature: 0-70 °C (32-158 °F) Storage Temperature: -40-85 °C ( -40-185 °F) Operating Humidity: 10-90% RH, Non-Condensing Storage Humidity: 5-90% RH, Non-Condensing