

## 6. Remarks

- TL-SM311 Series Mini GBIC Module support hot plug and play.
- TL-SM311 Series Mini GBIC Module not only can install in the TP-LINK Switch, but can install in any other brand Switch.



### **Warning:**

In order to avoid ESD, do not touch the output pins on the module with your hand.

## 7. Working Environment

- Power supply: supplied by Switch
- Operating Temperature: 0°C ~ 70°C
- Storage Temperature: -40°C ~ 70°C
- Operating Humidity: 10% ~ 90% RH (no-condensing)
- Storage Humidity: 5% ~ 95% RH (no-condensing)

## Appendix: Contact Information

For help with the installation or operation of the TP-LINK TL-SM311 Series Mini GBIC Module, please contact us.  
TP-LINK TECHNOLOGIES CO., LTD.

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**TP-LINK®** *User's Guide*

TL-SM311 Series

TL-SM311 Series Mini GBIC Module



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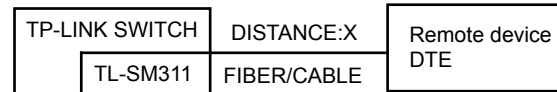
## 1. Introduction

TL-SM311 Series Mini GBIC Module, it uses fiber as transmission media, cooperate with TP-LINK Switch. It can effectively extend the diameter and bandwidth of the workgroup. TL-SM311 series Mini GBIC Module is fully compliant with IEEE802.3z protocol. It's wavelength is about 850nm and 1310nm. TL-SM311 Series Mini GBIC Module is easy to use, can be installed inside the Switch which supply power directly. TL-SM311 Series Mini GBIC Module can cooperate with several series of TP-LINK Switches.

## 2. Naming

TL-SM311LS: 1000Base-LX SMF Mini GBIC Module  
TL-SM311LM: 1000Base-SX MMF Mini GBIC Module

## 3. Type of module and the distance of transmission



THE TYPE OF MODULE	MAXIMAL DISTANCE
TL-SM311LS	X≤10000m
TL-SM311LM	X≤550m

## 4. Features of the product

- Multi-mode/Single-mode Mini GBIC Module operate at 850nm/1310nm
- Multi-mode Mini GBIC Module use the 50/125um, 62.5/125um fiber, Single-mode Mini GBIC Module use the 9/125um fiber
- Comply with IEEE802.3z standard
- Supply full duplex mode
- The maximal transmission distance of Multi-mode/Single-mode Mini GBIC Module is 550m/10000m
- Option for some TP-LINK Swithes
- Support hot plug and play

## 5. Installation Guide

- Push Mini GBIC Module into Switch along the track smoothly
- Plug fiber into the module, without any configuration manually, the Mini GBIC Module can work.