

The maximal transmission distance of Multi-mode/Single-Mode/Cat.5 Twisted-pair is 550m/1000m/100m

Option for some type TP-LINK Switches

LED indicators of the module indicate the module status

Plug and play and TL-SM371series support hot plug and play

6. Installation Guide

Turn off the power supply

Take down the module panel on the Switch

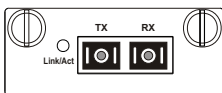
Push module into Switch along the track smoothly

Screw the module on Switch

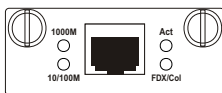
Plug fiber/UTP into the module, turn on the power supply of the Switch. Without any configuration manually, the Gigabit Module can work

7. Remarks

There are led indicators on the module to show the working condition. as follows :



FIBER MODULE



UTP MODULE

TL-SM301 module support plug and play ,but must turn off power supply before install/uninstall, TL-SM371 module support hot plug and play.

TL-SM301GB don't work independently, it must be worked with

TL-SM371 series GBIC module.

TL-SM301 module only install in the TP-LINK Switch, do not install this card in any other brand Switch.

At present. TL-SM301 module can be installed in TL-SL2226P, TL-SL2226P+ and TL-SL3226P Switches only, we will give a indication in the user's guide when a new type Switch could use this card. See our web site for more details: <http://www.tp-link.com>.



Warning:

In order to avoid ESD, do not touch the parts on the circuit including IC's pins with your hand directly!

8. Working Environment

Power supply: supplied by Switch

Operating Temperature: 0°C-40°C

Storage Temperature: -40°C-70°C

Operating Humidity: 10%-90%(non-condensing)

Storage Humidity: 5%-95%(non-condensing)

Appendix: Contact Information

For help with the installation or operation of the TP-LINK TL-SM301 Series Gigabit Module, please contact us.

TP-LINK TECHNOLOGIES CO., LTD.

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Made in China



TL-SM301 Series Gigabit Module

TL-SM371 Series GBIC Module

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1. Introduction

TL-SM301 series are Gigabit modules, it uses fiber or Cat.5 Twisted-pair as transmission media, cooperate with TP-LINK Switch. It can effectively extend the diameter and bandwidth of the workgroup. TL-SM301 series of fiber module is fully compliant with IEEE802.3z protocol. It's wavelength is about 850nm and 1310nm. TL-SM301 UTP module is fully compliant with IEEE 802.3ab protocol. TL-SM301GB module card is fully compliant with SFF-8053 GBIC interface standard, it must be worked with GBIC module(such as TL-SM371 series GBIC module) together. TL-SM301 series of Gigabit module is easy to use, can be installed inside the Switch which supply power directly. TL-SM301 module can cooperate with several series of TP-LINK Switches. The led indicators upon the module indicate working condition of the TL-SM301 Series Gigabit Modules.

2. Naming

TL-SM301U: 1000Base-T Cat.5 Twisted-pair ports (UTP) module, RJ-45 connector.

TL-SM301CM: 1000BaseSX Multi-mode fiber module, SC connector.

TL-SM301CS: 1000Base-LX Single-mode fiber module, SC connector.

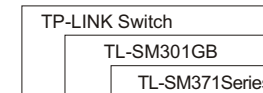
TL-SM301GB: GBIC module card, GBIC interface, it must be worked with GBIC module together.

TL-SM371CM: GBIC module, Multi-mode fiber, SC connector

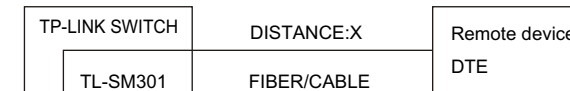
TL-SM371CS: GBIC module, Single-mode fiber, SC connector

TL-SM371CS-70: GBIC module, Single-mode fiber, SC connector

3. TL-SM301GB/371 and TP-LINK Switch's Relation



4. Type of module and the distance of transmission



THE TYPEOF MODULE	MAXIMAL DISTANCE
TL-SM301U	X≤100m
TL-SM301CM	X≤550m
TL-SM301CS	X≤10000m
TL-SM301GB	Depended on GBIC module
TL-SM371CM	X≤550m
TL-SM371CS	X≤10000m
TL-SM371CS-70	X≤70000m

5.Features of the product

Multi-mode/Single-Mode fiber module operate at 850nm/1310nm
Multi-mode fiber module use the 50/125um, 62.5/125um fiber,
Single-Mode fiber module use the 9/125um fiber, UTP module use the Cat.5 Twisted-pair
Comply with IEEE802.3z, IEEE802.3ab, SFF-8053 GBIC standard
Support full duplex mode