

# 10GBase-SR SFP+ LC Transceiver

## Datasheet

MODEL: TL-SM5110-SR



### Highlights

- Multi-mode SFP+ LC Transceiver
- Hot-swappable with maximum flexibility
- Supports Digital Diagnostic Monitoring (DDM)
- Compatible with 10G Small Form Pluggable Multi-Source Agreement (SFP+ MSA)
- Compatible with switches with 10G SFP+ ports, like JetStream TL-SG3428X, TL-SG3428XMP, etc.

### Overview

The TL-SM5110-SR, a 10GBASE-SR high performance 850nm multi-mode SFP+ transceiver, is designed to extend transfer distances of 10 Gbps Ethernet connectivity. It supports full duplex and 10G Ethernet connections up to 300m or 33m with 50/125µm or 62.5/125µm fiber cables respectively.

The transceiver is hot-swappable and supports DDM. Its compatibility with TP-Link's and other brands' switches with standard SFP+ slots guarantees smooth 10-Gbps connection for enterprises, data center and internet service providers.

# Specifications

## General Specifications

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| Normal                  | TL-SM5110-SR                                      |
| Wave Length             | 850 nm                                            |
| Standards and Protocols | IEEE 802.3ae<br>TCP/IP<br>SFF-8472                |
| Cable                   | 50/125 or 62.5/125 µm Multi-mode Fiber            |
| Max. Cable Length       | 300 m (50/125 µm cable), 33 m (62.5/125 µm cable) |
| Data Rate               | 10 Gbps                                           |
| Port Type               | LC Duplex                                         |
| Power Support           | 3.3 V                                             |
| Safety & Emission       | FCC, CE                                           |
| DDM                     | Yes                                               |
| SFP+ MSA                | Yes                                               |
| Hot Swappable           | Yes                                               |

## Environmental and Physical Specifications

|                               |                                    |
|-------------------------------|------------------------------------|
| Product Operating Temperature | 0 °C to 70 °C (32 °F to 158 °F)    |
| Storage Temperature           | -40 °C to 85 °C (-40 °F to 185 °F) |
| Operating Humidity            | 10% to 90% RH, Non-condensing      |
| Storage Humidity              | 5% to 90% RH, Non-condensing       |