

# 10GBase-SR SFP+ LC Transceiver Datasheet

MODEL: 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 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	SM5110-SR
Wave Length	850 nm
Standards and Protocols	IEEE 802.3ae TCP/IP SFF-8472
Cable	50/125 or 62.5/125 $\mu$ m Multi-mode Fiber
Max. Cable Length	300 m (50/125 $\mu$ m cable), 33 m (62.5/125 $\mu$ m 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

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