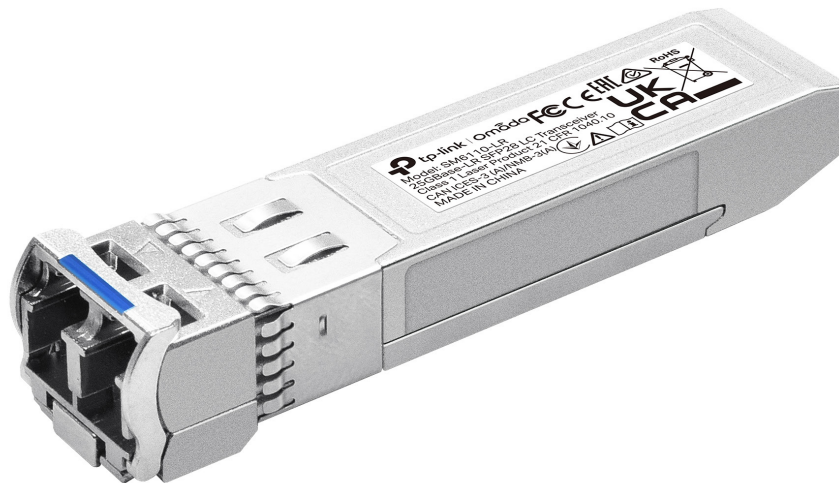




# Omada 25GBase-LR SFP28 LC Transceiver Datasheet

---

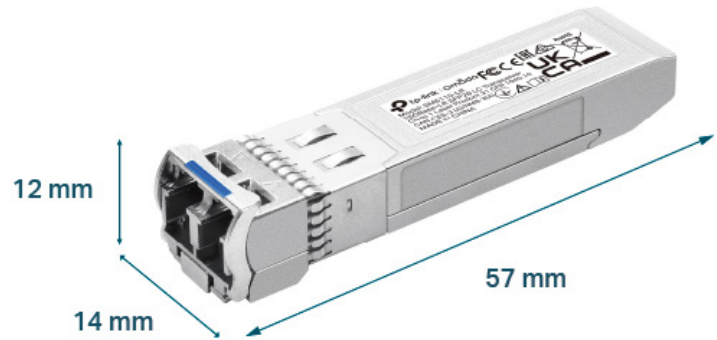
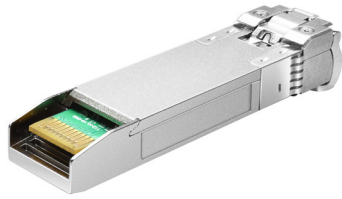
MODEL: SM6110-LR



## Highlights

- Up to 10 km 10G/25G Ethernet connections with 9/125 $\mu$ m fiber cables
- Single-mode SFP28 LC Transceiver
- Hot-Pluggable with maximum flexibility
- Supports Digital Diagnostic Monitoring (DDM)
- Low Power Consumption no more than 1.2 W
- Compatible with 10G/25G Small Form Pluggable Multi-Source Agreement (SFP28 MSA)
- Compatible with switches with 25G ports like SX6632YF; and 10G ports like SG3428X and SG3452X

# Product Pictures



# Specifications

Model		SM6110-LR
General Specifications	Form Factor	SFP28
	Support Data Rate	Dual Rate 25.78 Gbps and 10.31 Gbps
	Wavelength	1310 nm
	Max. Cable Length	10 km
	Connector	Duplex LC/UPC
	SFP28 MSA	Yes
	Media	SMF (Single-mode fiber)
	Core Size	9/125 $\mu\text{m}$
	Transmitter Type	DFB
	Receiver Type	PIN
	Transmitter Power	-7 to 2dBm @25.78Gbps; -8.2 to 0.5dBm @10.31Gbps
	Receiver Sensitivity	< -13.3 dBm @25.78Gbps; < -14.4 dBm @10.31Gbps
	Receiver Overload	> 2 dBm @25.78Gbps; > 0.5 dBm @10.31Gbps
Extinction Ratio	> 3 dB @25.78Gbps; > 3.5 dB @10.31Gbps	

Model		SM6110-LR
General Specifications	Power Supply	3.3 V
	Power Consumption	≤ 1.2 W
	CDR (Clock and Data Recovery)	Built-in CDR
	DDM	Yes
	Standards and Protocols	<ul style="list-style-type: none"> <li>• IEEE 802.3cc, IEEE 802.3ae</li> <li>• SFF-8402, SFF-8472, SFF-8432, SFF-8431</li> <li>• eCPRI, CPRI</li> <li>• TCP/IP</li> </ul>
	Packaging Technology	TO-CAN
	Hot Swappable	Yes
	Regulatory Compliance	CE, FCC, RoHS
Environmental & Physical Specifications	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