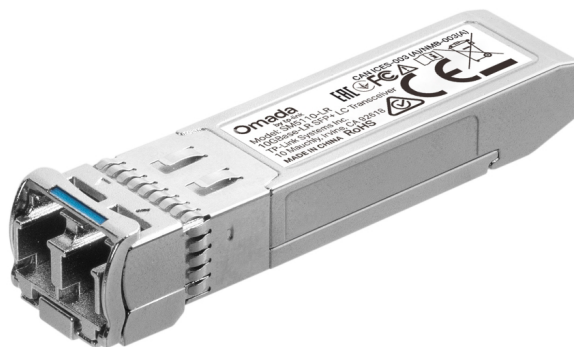


LC Transceiver

Datasheet

SM5110-LR

10GBase-LR SFP+ LC Transceiver



Highlights

- Single-mode SFP+ LC Transceiver
- Hot-Pluggable 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 SG3428X, SG3428XMP, and more.

Overview

The SM5110-LR is designed to extend transfer distances based on 10Gbps Ethernet connectivity. It is a 10GBASE-LR high performance 1310 nm single-mode SFP+ transceiver. It supports full duplex, 10G Ethernet connections up to 10 km with 9/125µm fiber cables respectively.

Specifications

Hardware Features & Performance

Model		SM5110-LR
General	Form Factor	SFP+
	Standards	IEEE 802.3ae, TCP/IP
	Wave Length	1310 nm
	Power Supply	3.3V
	Fiber Type	9/125um Single-Mode
	Transmitter Type	DFB
	Transmitter Power	0.5 dBm @ 10.3125 Gbps -8.2 dBm @ 10.3125 Gbps
	Extinction Ratio	> 3.5 dB @10.31 Gbps
	Receiver Type	PIN-TIA
	Receiver Sensitivity	< -14.4 dBm
	Receiver Overload	> 0.5 dBm
	Packaging Technology	TO-CAN
	Max. Cable Length	10 km
	Data Rate	10 Gbps
	Port Type	LC Duplex
	Safety & Emission	FCC, CE
	Power Supply	3.3 V
	Power Consumption	0.858 W @ 10 Gbps
	Certifications	FCC, CE
	Hardware Features	<ul style="list-style-type: none">• DDM• SFP-MSA• Hot Swappable
	Dimensions (W x D x H)	2.2 × 0.5 × 0.4 in (56.7 × 13.9 × 10.35 mm)
	Package Content	<ul style="list-style-type: none">• SM5110-LR• Installation Guide
Physical & Environment	Operating Temperature	0–70 °C (32–158 °F)
	Storage Temperature	-40–85 °C (-40–185 °F)
	Operating Humidity	10–90% RH, Non-Condensing
	Storage Humidity	5–90% RH, Non-Condensing