

# Industrial SFP Module

## Datasheet

### ISM311LS

1000Base-LX SMF Industrial SFP Module



## Highlights

- Single-mode SFP LC Transceiver
- Supports Digital Diagnostic Monitoring (DDM)
- Compatible with Small Form Pluggable Multi-Source Agreement (SFP-MSA)
- Hot-Pluggable with maximum flexibility
- Industrial Product Operating Temperature Range: -40-85°C

## Overview

ISM311LS is an industrial SFP Module introduced for extending transfer distance. Attached to our industrial switches, ISM311LS can extend the distance to 20km. Users can choose whether and which items to use the fiber modules according to the demand in order to lower cost.

# Specifications

Hardware Features & Performance	
Model	ISM311LS
General	Standards
	IEEE 802.3z, TCP/IP
	Wave Length
	1310 nm
	Dimensions
	56.4 × 13.4 × 10.97 mm (2.22 × 0.53 × 0.43 in)
	Cable
	Single-mode Fiber
	Fiber Type
	9/125 $\mu$ m Single-mode
	Max. Cable Length
	20 km
	Data Rate
	1.25 Gbps
	Port Type
	LC Duplex
	Connector Type
	Duplex LC/UPC
	Power Supply
	3.3 V
	Certifications
	FCC, CE
	Max. Laser Output Power
	0.794 mW (-1 dBm)
	Laser Class
	Class 1
	Hardware Features
	<ul style="list-style-type: none"><li>• DDM</li><li>• SFP-MSA</li><li>• Hot Swappable</li></ul>
Physical & Environment	Operating Temperature
	-40 °C to 85 °C (-40 °F to 185 °F)
	Storage Temperature
	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5%-85% RH Non-condensing
	Storage Humidity
	5%-85% RH Non-condensing

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