Omada
by tp-link

Industrial SFP Module

Datasheet
ISM321A-20 & ISM321B-20
1000Base-BX WDM Bi-Directional Industrial SFP Module

Highlights

- Supports WDM Bi-Directional technology, using a single strand of fiber, cost saving
- Single mode SFP LC Transceiver
- Hot-Pluggable with maximum flexibility
- Supports Digital Diagnostic Monitoring (DDM)
- Compatible with Small Form Pluggable Multi-Source Agreement (SFP-MSA)
- Industrial Product Operating Temperature Range: -40-85℃

Overview

ISM321A-20 and ISM321B-20 are industrial WDM SFP Modules introduced for extending transfer distance. Attached to our industrial switches, they can extend the distance to 20km with one single fiber. 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		ISM321A-20	ISM321B-20
General	Standards	IEEE 802.3z, TCP/IP	
	Wave Length	Tx: 1550 nm Rx: 1310 nm	Tx: 1310 nm Rx: 1550 nm
	Dimensions	56.4 × 13.4 × 10.97 mm (2.22 × 0.53 × 0.43 in)	
	Cable	Single-mode Fiber	
	Fiber Type	9/125 µm Single-mode	
	Max. Cable Length	20 km	
	Data Rate	1.25 Gbps	
	Port Type	LC Simplex	
	Connector Type	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	DDM SFP-MSA Hot Swappable	
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	