

AL-SFPSM-20, AL-SFPSM-40



ALCONTM
LINK
BE SMART, BE SECURE

Single-Mode 20 & 40 Km LC SFP Module

OVERVIEW

The AL-SFPSM-20 & AL-SFPSM-40 both are a high-performance 1310 nm single-mode SFP transceiver which support full-duplex 1.25Gbps speeds for distances of up to 20 & 40 km. The component is coming with metal housing to reduce EMI and to increase durability for a stable business class network infrastructure.

FEATURES

- Maximum distance of up to 20 & 40 km
- Hot-pluggable
- Single-mode fiber
- 1000BASE-LX (IEEE 802.3z standard)
- Duplex LC connector
- MSA, RoHS-compliant
- Speed 1.25Gbps

APPLICATIONS

- 4K and full HD surveillance transmission and power supply
- Enterprise Wireless AP distribution transmission and power supply
- Smart VoIP transmission, intelligent home systems
- Smart City intelligent traffic monitoring system (ITS), safe city, and wireless city
- Highway surveillance system, electronic road surveillance, snapshot system
- large industrial factory & enterprise security surveillance system, network multifunction system

OPTIMIZE YOUR
NETWORK POWER EFFICIENCY

SPECIFICATION

Model	AL-SFPSM-20 & AL-SFPSM-40
Hot Pluggable	Yes
RoHS Compliant	Yes
MSA Compliant	Yes
Hardware version	F1
Type Of Connector	Duplex LC Connector
Direction	single-direction
Wavelength	1310 nm
Output Optical Power (TX Optical Power)	MAX.: -3 dBm
Interface	MIN.: - 21 dBm
Input Optical Power (RX Optical Power)	MAX.: - 3 dBm
Cable Type	- single-mode 9/125um fiber: reach 20km(AL-SFPSM-20) & 40km(AL-SFPSM-40)
Sensitivity	-21 dBm
Power	3.3V
Max Input Current	300mA
Power Budget (MIN Power Budget)	11.5 dB
MAX Power Budget	18dB
Heat Generated	1.78kJ/h
Operation Temperature	0-70°C
Storage Temperature	-40-85°C
Humidity (Operating)	10% ~ 90%
Dimension (W x D x H)	13.4mm x 56.4mm x 10.35mm
Humidity (Storage)	5% ~ 90%
Weight	16.5g
Speed	1.25Gbps
Compliant Standard	IEEE-802.3z 1000BASE-LX
Transceiver Type	SFP
Fiber Channel FC-PI standard	100-SM-LC-L
Fiber Media support	Single-Mode
Distance	20km(AL-SFPSM-20) & 40km(AL-SFPSM-40)

ORDERING INFORMATION

AL-SFPSM-20, AL-SFPSM-40

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*Product specifications and availability are subject to change without notice.