

# SFP-1FX

## Industrial 100M SFP Optical Transceiver Module



### » Overview

### » Key Features

Transmission rate 155Mb/s

Single power supply 3.3V

Hot-Pluggable capability

Duplex LC connector

Compliant with RoHS Standard

Digital diagnostic monitor compatible with SFF-8472

### » Product Specifications

#### > Product Specifications -Standard

SFF-8472

IEEE 802.3

#### -Interface

LC Connector

### -Physical Characteristics

Dimensions 13.7mm×12.7mm×56.6mm (W×H×D)

Weight 40g

### -Environmental Limits

Operating Temperature -40°C~+85°C

Storage Temperature -40°C~+85°C

Ambient Relative Humidity 5~95% (non-condensing)

### -Quality Assurance

Warranty period 2 years

### -Approvals

RoHS

## » Mechanical Drawing

## » Ordering Information

Product Model	Product Description				
	Type	Connector	Center Wavelength	Transmission Distance	Coupled Fiber
IFSFP-M-LX-LC-1310-2-DDM	Multi Mode	LC	1310nm	2km	50/125μm MMF 62.5/125μm MMF
IFSFP-S-LH-LC-1310-40-DDM	Single Mode	LC	1310nm	40km	10/125μm SMF
IFSFP-S-LH-LC-1550-60-DDM	Single Mode	LC	1550nm	60KM	9/125μm SMF
IFSFP-S-LH-LC-1550-80-DDM	Single Mode	LC	1550nm	80KM	9/125μm SMF
IFSFP-S-LH-LC-1550-120-DDM	Single Mode	LC	1550nm	120KM	9/125μm SMF

### 100Base-FX SFP (155Mbit/s) Parameter Table

Property	LX	LH	LH	ZX
Type	Multi Mode(M)	Single Mode(S)	Single Mode(S)	Single Mode(S)

Center Wavelength(nm)	1310	1310	1550	1550
Transmission Distance(km)	2	40	60	80
Application Range of Transmission Distance(km)	0~2	0~40	10~60	10~80

Property		LX	LH	LH	ZX
Coupled Fiber		62.5/125 $\mu$ m MMF 50/125 $\mu$ m MMF	10/125 $\mu$ m SMF	9/125 $\mu$ m SMF	9/125 $\mu$ m SMF
Average Optical Output Power	Min.(dBm)	-20	-12	-5	-5
	Max.(dBm)	-14	-4	0	0
Receiver Sensitivity (dBm)		-31	-34	-34	-34
Maximum Input Power (dBm)		-3	-3	-3	-3

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