

SFP-1G

Gigabit SFP Modules



- Transmission rate is up to 1.25Gb/s
- Working voltage is 3.3V
- Differential signal LVPECL input and output
- TTL signal detection
- Hot-swappable LC duplex connector
- UL, TÜV certificates

Technical Specifications

Standard

SFP MSA (INF-8074i), IEEE802.3z, ITU-T G.695, FC-PI v2.0

Interface

LC Connector

Physical Characteristics

Protection Class: IP20

Dimensions (WxHxD): 13.7x8.5x57.2 mm (0.54x0.33x2.25 in.)

Weight: 40g (0.088 pound)

Environmental Limits

Operating Temperature: -40 to 85°C (-40 to 185°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity: 5 to 95% (non-condensing)

Warranty

3 years

Approvals

UL, TÜV, RoHS

Industrial Standard

EMI:

CISPR22 ITE Class B, FCC Class B, CENELEC EN55022, VCCI Class1

EMS:

IEC61000-4-2 Class 2 (>4.0KV)

IEC61000-4-3 Class 2

MIL-STD-883E Method 3015.7 Class 1 (>1.5KV)

1000Base SFP (1.25Gbit/s) Parameter Table

Property		SX	LX	LH	ZX	ZX
Type		Multi Mode (M)	Single Mode (S)	Single Mode (S)	Single Mode (S)	Single Mode (S)
Center Wavelength (nm)		850	1310	1310	1550	1550
Transmission Distance (km)		0.55	10	40	60	80
Application Range of Transmission Distance (km)		0-0.55	0-10	12-40	24-60	27-80
Transmitting Optical Power	Mini. (dBm)	-11	-10	-4	-3	-2
	Max. (dBm)	-2	-3	3	4	5
Receiving Sensitivity (dBm)		-18	-21	-23	-22	-25
Overload Optical Power (dBm)		0	-3	-3	-3	-3

Ordering Information

IGSFP-M-SX-LC-850-0.55 = Gigabit SFP module, Multi mode, 850nm, 0.55km, LC connector, -40 to 85°C operating temperature

IGSFP-S-LX-LC-1310-10 = Gigabit SFP module, Single mode, 1310nm, 10km, LC connector, -40 to 85°C operating temperature

IGSFP-S-LH-LC-1310-40 = Gigabit SFP module, Single mode, 1310nm, 40km, LC connector, -40 to 85°C operating temperature

IGSFP-S-ZX-LC-1550-60 = Gigabit SFP module, Single mode, 1310nm, 60km, LC connector, -40 to 85°C operating temperature

IGSFP-S-ZX-LC-1550-80 = Gigabit SFP module, Single mode, 1550nm, 80km, LC connector, -40 to 85°C operating temperature