

SFP-10G 系列

1 埠 10 Gigabit 乙太網路 SFP+ 模組



特色與優點

- 數位診斷監控功能
- 符合 IEEE 802.3ae 標準
- 符合 SFF-8432 SFP+ MSA 標準
- 可熱插拔的 LC 雙工連接器
- 符合 Class 1 Laser 國際安全標準 IEC 60825-1
- 符合 RoHS 標準

認證



簡介

SFP-10G 系列 1 埠 10 Gigabit 乙太網路 SFP 模組可作為部分 Moxa 交換器的選配配件。

規格

Ethernet Interface

Connectors	Duplex LC connector									
Optical Fiber						10G Ethernet SFP				
						SFP-SR		SFP-LR	SFP-ER	SFP-ZR
	Transceiver Type		Multi-Mode				Single-mode	Single-mode	Single-mode	
	Fiber Cable Type		OM1	OM2	OM3	OM4	G.652	G.652	G.652	
	Typical Distance		33 m	82 m	300 m	400 m	10 km	40 km	80 km	
	Wavelength	Typical (nm)	850				1310	1550	1550	
		TX Range (nm)	840 to 860				1260 to 1355	1530 to 1565	1530 to 1565	
		RX Range (nm)	840 to 860				1260 to 1355	1530 to 1565	1530 to 1565	
	Optical Power	TX Range (dBm)	-5 to -1				-8.2 to +0.5	-1 to +2	0 to +4	
		RX Range (dBm)	-9.9 to +0.5				-14.4 to +0.5	-15.8 to -1	-23 to -7	
Link Budget (dB)		8.3				7.4	15	23		

		10G Ethernet SFP			
		SFP-SR	SFP-LR	SFP-ER	SFP-ZR
Dispersion Penalty (dB)		3.9	3.2	3	3

Note: When connecting the SFP-ER or SFP-ZR, we recommend using an attenuator to prevent damage caused by excessive optical power.

Typical Distance: To reach the typical distance of specified fiber transceiver, please refer to formula: Link budget(dB) > dispersion penalty(dB) + total link loss(dB)

Power Parameters

Power Consumption	SFP-10GERLC-T: Max. 2.2 W SFP-10GZRLC-T: Max. 2.5 W SFP-10GLRLC-T: Max. 1 W
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Environmental Limits

Operating Temperature	-40 to 85°C (-40 to 185°F) Note: When using the SFP-10GZRLC-T with the ICS-G7526A/G7528A/G7826A/G7828A and the MDS-G4000-4XGS/MDS-G4000-L3-4XGS Series, the maximum temperature is -10 to 60°C (14 to 140°F).
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

Safety	UL 62368-1 IEC 62368-1 IEC 60825-1
EMC	EN 55032/35
EMI	FCC 15B Test Report ICES-003: 2020 Issue 7
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV(AC), 0.5 kV(DC); Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV/2 kV(AC), 0.5 kV(DC); Signal: 1 kV IEC 61000-4-6 CS: 0.15 MHz to 10 MHz: 3 V, 10 MHz to 30 MHz: 3 to 1 V, 30 MHz to 80 MHz: 1V. IEC 61000-4-8 PFMF: 1 A/m at 50 Hz IEC 61000-4-11: Voltage Dips & Interruption

Warranty

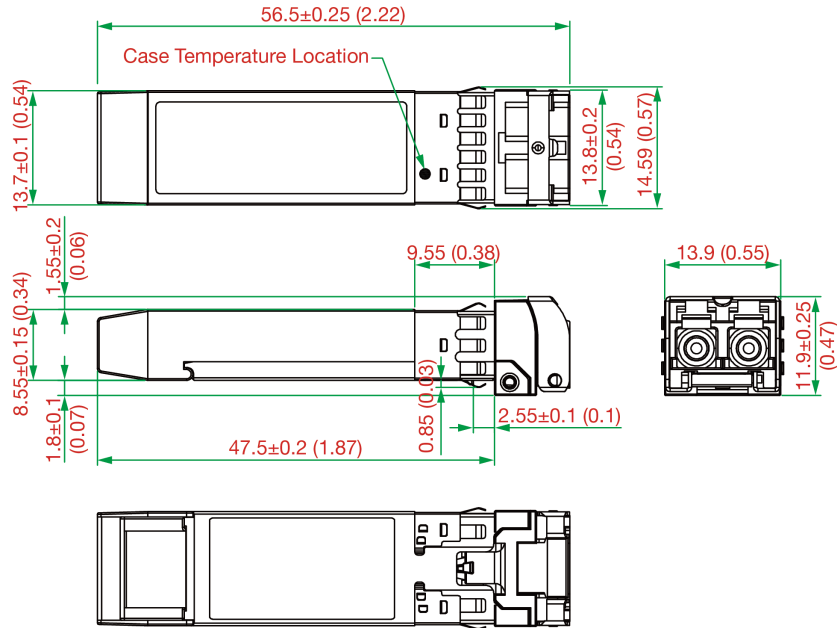
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x SFP-10G Series module
Documentation	1 x warranty card

尺寸

單位：公釐 (英吋)



訂購資訊

Model Name	Ports	Connector	Transmission Distance	Operating Temp.
SFP-10GSRLC-T	1 x 10GBase-SR, multi-mode	LC	33 m/82 m/300 m/400 m	-40 to 85°C
SFP-10GLRLC-T	1 x 10GBase-LR, single-mode	LC	10 km	-40 to 85°C
SFP-10GERLC-T	1 x 10GBase-ER, single-mode	LC	40 km	-40 to 85°C
SFP-10GZRLC-T	1 x 10GBase-ZR, single-mode	LC	80 km	-40 to 85°C

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