SFP-10G Series

1-port 10 Gigabit Ethernet SFP+ modules

> Compliant with IEEE 802.3ae
> SFF-8432 SFP+ MSA compliant
> Hot pluggable LC duplex connector
> Class 1 Laser International Safety Standard IEC 825 compliant
> RoHS compliant

EN : 60825   c **UL** us

: Specifications

Interface
Connectors: Duplex LC Connector
10G Ethernet Ports: 1

Optical Fiber

	10 Gigabit Ethernet		
	SFP-SR	SFP-LR	SFP-ER
Wavelength	850 nm	1310 nm	1550 nm
Max. TX	-1 dBm	0.5 dBm	4 dBm
Min. TX	-5 dBm	-8.2 dBm	-4.7 dBm
RX Sensitivity	-10 dBm	-14.4 dBm	-15.8 dBm
Link Budget	5 dB	6.2 dB	11.1 dB
Typical Distance	33 m [a] / 300 m [b]	10 km [c]	40 km [c]
Saturation	-1 dBm	-0.5 dBm	-1 dBm

a. 62.5/125 μm, 200 MHz*km (OM1) multi-mode fiber optic cable
b. 50/125 μm, 2000 MHz*km (OM3) multi-mode fiber optic cable
c. 9/125 μm single-mode fiber optic cable

Environmental Limits
Operating Temperature: 0 to 60°C (32 to 176°F)
Note: When the SFP-10GERLC is used with ICS-G7750A/G7752A/G7850A/G7852A series, operating temperature is 0 to 55°C (32 to 131°F).

Storage Temperature: -40 to 85°C (-40 to 185°F)
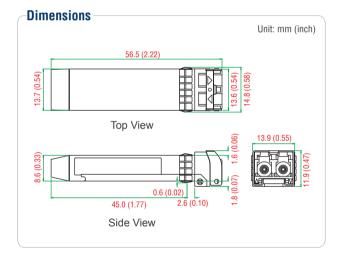**Ambient Relative Humidity:** 5 to 95% (non-condensing)

Standards and Certifications
Safety: UL 60950-1, TÜV

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

Dimensions

Unit: mm (inch)

Top View

Side View

: Ordering Information

Available Models
SFP-10GSRLC: SFP+ module with 1 10GBase-SR port for 33 m transmission, LC connector, 0 to 60°C operating temperature
SFP-10GLRLC: SFP+ module with 1 10GBase-LR port for 10 km transmission, LC connector, 0 to 60°C operating temperature
SFP-10GERLC: SFP+ module with 1 10GBase-ER port for 40 km transmission, LC connector, 0 to 60°C operating temperature
Note: SFP-10GERLC will be available in Q3, 2014.
The SFP 10G series modules can be used with the following products:
SFP-10GSRLC/SFP-10GLRLC:
ICS-G7850A/G7852A series, ICS-G7850/G7852 series, ICS-G7750A/G7752A series, ICS-G7750/G7752 series, ICS-G7826A/G7828A series, ICS-G7826/G7828 series, ICS-G7526A/G7528A series, ICS-G7526/G7528 series
SFP-10GERLC:
ICS-G7850A/G7852A series, ICS-G7750A/G7752A series, ICS-G7826A/G7828A series, ICS-G7526A/G7528A series

Package Checklist
• SFP-10G module
• Warranty card