Transceivers

Mini-GBIC Small Form-Factor Pluggable (SFP)

Model Number:	SMCBGSLCX1
	SMCBGLLCX1
	SMCBGZLCX1

SMC Networks provides mini-GBIC solutions for high-speed, full-duplex Gigabit Ethernet connectivity. SMC Networks's mini-GBIC line allows the user to plug into any SFP slot in our Tiger line. This flexibility combined with hot-pluggable support allows for simple Gigabit Ethernet network expansion.

SMC Networks has both short-haul and long-haul mini-GBIC solutions for your networking needs. From short ranged SMCBGSLCX1 to the long reaching SMCBGZLCX1, SMC Networks has the SFP solution for you.

Overview

Features

- Up to 1.25Gb/s bi-directional data links
- Extended operating ambience range (00C to 600C)
- Extended power supply voltage (3.3V and 5V)
- Hot-Pluggable/Swappable
- Fully metallic enclosure for low EMI
- Low power dissipation

Compatibility

• SMC8624T	Standalone 24-port 10/100/1000 Switch with 4 SFP slots
• SMC6750L2	Standalone 48+2 port 10/100 Switch with 2 SFP slots
• SMC7724M/VSW	Stackable 24-port Extended Ethernet Switch

SMC Networks
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Irvine, CA 92618
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www.smc.com

SMCBGSLCX1, SMCBGLLCX1, SMCBGZLCX1

Physical Description

Connector

- Dual LC connector

Maximum Link Span

SMCBGSLCX1 – Up to 550m
SMCBGLLCX1- Up to 10Km
SMCBGZLCX1 – Up to 100km, depending on various factors such as fiber quality, number of splices, and connectors

Temperature Range

Operating : 0 to 60°C
Storage: -10 to 85°C

Regulatory And Standards Compliance

Safety
Eye Safety CDRH and IEC-825 Class 1 Laser

Cabling Overview

GBIC	Wavelength (nm)	Fiber type	Core size (micron)	Modal bandwidth (MHz/km)	Cable distance
SMCBGSLCX1	850	MMF	62.5	160	722 ft (220 m)
			62.5	200	902 ft (275 m)
			50.0	400	1640 ft (500 m)
			50.0	500	1804 ft (550 m)
SMCBGLLCX1	1300	MMF	62.5	500	1804 ft (550 m)
			50.0	400	1804 ft (550 m)
		SMF	50.0	500	1804 ft (550 m)
			9/10	N/A	6.2 miles (10 km)
SMCBGZLCX1	1550	SMF	9/10	N/A	43.4 to 62 miles (70 to 100 km)

Product	Description
SMCBGSLCX1	550m 1000BASE-SX Mini-GBIC, based on 50 micron fiber
SMCBGLLCX1	10Km 1000BASE-LX Mini-GBIC, based on 9/10 micron fiber
SMCBGZLCX1	70Km 1000BASE-ZX Mini-GBIC, based on 9 micron fiber