# GLC-LH-SMD Datasheet

Overview

Cisco GLC-LH-SMD 1000BASE-LX/LH SFP is made for Both Multimode and Single-Mode Fibers.

The 1000BASE-LX/LH SFP, compatible with the IEEE 802.3z 1000BASE-LX standard, operates on standard single-mode fiber-optic link spans of up to 10 km and up to 550 m on any multimode fibers. When used over legacy multimode fiber type, the transmitter should be coupled through a mode conditioning patch cable. 1300-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector.

This Figure shows the appearance of GLC-LH-SMD.
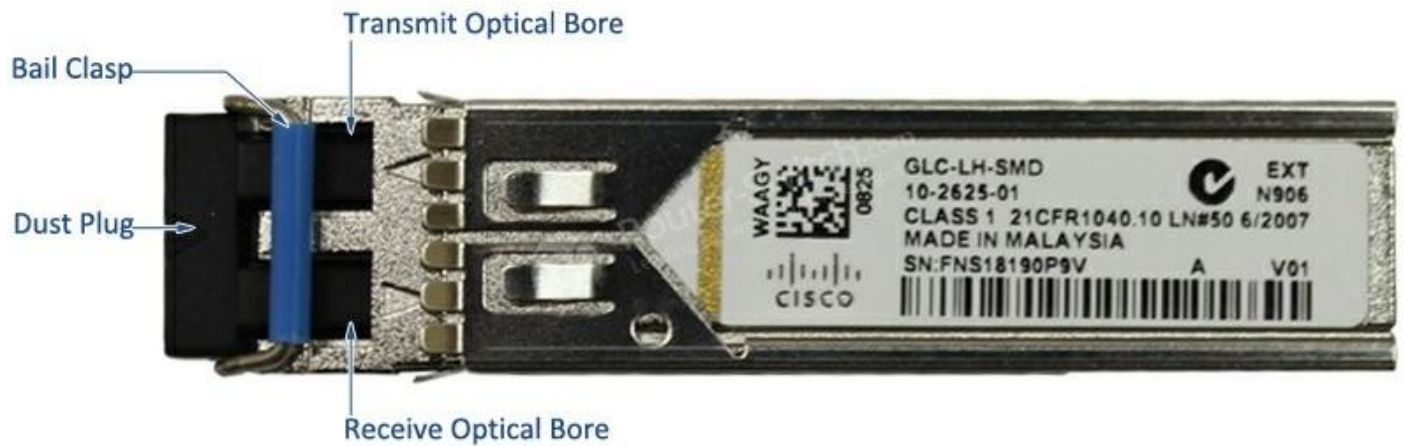
The table provides cabling specifications for the SFPs that you install in the Gigabit Ethernet port.

Note that all SFP ports have LC-type connectors, and the minimum cable distance for all SFPs listed (multimode and single-mode fiber) is 6.5 feet (2 m).

SFP Port Cabling Specifications

Product	Wavelength (nm)	Fiber Type	Core Size (μm)	Modal Bandwidth (MHz* Km)***	Operating Distance (m)
1000BASE-SX	850	MMF	62.5	160 (FDDI-grade)	220 (722 ft)
			62.5	200 (OM1)	275 (902 ft)
			50	400 (400/400)	500 (1,640 ft)
			50	500 (OM2)	550 (1,804 ft)
			50	2000 (OM3)	1000 (3281 ft)
1000BASE-LX/LH (GLC-LH-SMD)	1310	MMF*	62.5	500	550 (1,804 ft)
			50	400	550 (1,804 ft)
			50	500	550 (1,804 ft)
		SMF	-**	-	10,000 (32,821 ft)
1000BASE-EX	1310	SMF	-**	-	40,000 (131,234 ft)
1000BASE-ZX	1550	SMF	-	-	Approximately 70 km depending on link loss
1000BASE-BX-U	1310	SMF	-**	-	10,000 (32,821 ft)
1000BASE-BX-D	1490	SMF	-**	-	10,000 (32,821 ft)

Get more information

Do you have any question about the GLC-LH-SMD?

Contact us now via **admin@skywardtel.com**.

Specification

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			50	**400**	**550 (1,804 ft)**
			50	**500**	**550 (1,804 ft)**
		SMF	**-****	**-**	**10,000 (32,821 ft)**
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1000BASE-BX-D	1490	SMF	-**	-	10,000 (32,821 ft)

Note:
*A mode-conditioning patch cord, as specified by the IEEE standard, is required regardless of the span length. Note how the mode conditioning patch cord for 62.5-μm fibers has a different specification from the mode-conditioning patch cord for 50-μm fibers.
**ITU-T G.652 SMF as specified by the IEEE 802.3z standard.
***Specified at transmission wavelength.