

GLC-LH-SMD Datasheet

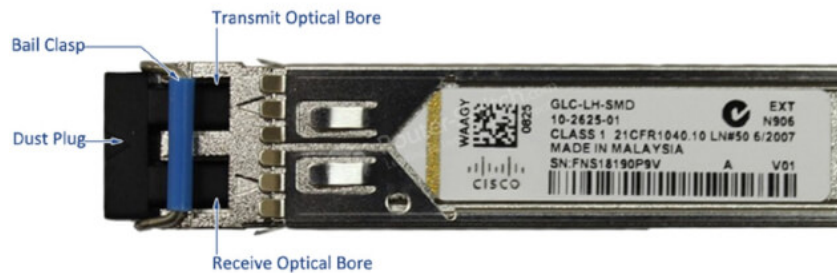


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Overview

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.

Quick Specs:



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	Wave-length (nm)	Fiber Type	Core Size (µm)	Modal Bandwidth (MHz* Km)	Operating Distance (m)
1000BASE-SX (GLC-SX-MMD)	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 (GLC-ZX-SM) (GLC-ZX-SMD)	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)





- 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.

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