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Overview

Cisco GLC-ZX-SMD is a 1000BASE-ZX SFP for Long-Reach Single-Mode Fiber. The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to approximately 70 km in length. The SFP provides an optical link budget of 21 dB, but the precise link span length depends on multiple factors such as fiber quality, number of splices, and connectors.

When shorter distances of single-mode fiber (SMF) are used, it might be necessary to insert an inline optical attenuator in the link to avoid overloading the receiver. A 10-dB inline optical attenuator should be inserted between the fiber-optic cable plant and the receiving port on the SFP at each end of the link whenever the fiber-optic cable span loss is less than 8 dB.

Quick Specification

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).

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	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)

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.

Product Details:

The Front Panel:



Get more information:

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

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Cisco Compatible	GLC-ZX-SMD
Form Factor	SFP
Wavelength	1550nm
Connector	Duplex LC
Media	SMF
TX Power	0~5dBm
Industrial Temperature Range	-40 to 85°C (-40 to 185°F)
Vendor Name	FS
Max. Data Rate	1000Mbps
Max. Cable Distance	80km
Optical Components	DFB 1550nm
DOM Support	Yes
Receiver Sensitivity	< -24dBm
Protocols	SFF-8472 MSA Compliant, IEEE 802.3ah-2004

* FS standard transceivers are fully compatible with Cisco equipment.

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