

SFP Modules



The selection of MSA Compliant Small Form-Factor Pluggable (SFP) modules allows for an optical or electrical interface when using a managed switch, unmanaged switch or media converter. These interchangeable SFP modules are available for use with copper media, multimode optical fiber, or single mode optical fiber. The optical fiber SFP modules are available in Fast Ethernet one and two fiber versions and Gigabit Ethernet one and two fiber versions. They also are available with LC or SC optical connectors. The SFP modules offer different wavelengths and optical power budget to allow distances up to 20 kilometers. These SFP modules are industrially rated to perform in the most difficult operating environments.

FEATURES

- › Interchangeable SFP for fiber type, distance and connector
- › IEEE 802.3 compliant
- › Conforms to (SFP) Small Form-Factor Pluggable Multi-Source Agreement (MSA)
- › Operating temperature: -40° C to +75° C
- › Storage temperature: -40° C to +85° C
- › No in-field adjustments required

SPECIFICATIONS AND ORDERING INFORMATION

Model Number	Speed (Mbps)	Transmission Medium ¹	TX λ (nm)	RX λ (nm)	Max. Path Length	TX Power (dBm)	RX Sensitivity (dBm)	Opt. Loss Budget (dBm)	Number of Fibers	Connector
SFP-GRJC	1000	Copper	N/A	N/A	IEEE 802.3	N/A	N/A	N/A	N/A	RJ45
SFP-FLCM202	100	Multimode	1310	1310	2 km	-19	≤-30	11	2	LC
SFP-FLCS220	100	Single Mode	1310	1310	20 km	-15	≤-31	16	2	LC
SFP-FSCM102-A	100	Multimode	1310	1550	2 km	-15	≤-30	15	1	SC
SFP-FSCM102-B	100	Multimode	1550	1310	2 km	-15	≤-30	15	1	SC
SFP-FSCS120-A	100	Single Mode	1310	1550	20 km	-15	≤-34	19	1	SC
SFP-FSCS120-B	100	Single Mode	1550	1310	20 km	-15	≤-34	19	1	SC
SFP-GLCS215	1000	Single Mode	1310	1550	15 km	-8	≤-24	16	2	LC
SFP-GLCS120-A	1000	Single Mode	1310	1550	20 km	-8	≤-22	14	1	LC
SFP-GLCS120-B	1000	Single Mode	1550	1310	20 km	-8	≤-22	14	1	LC
SFP-GLCM202	1000	Multimode	1310	1310	2 km	-10	≤-18	8	2	LC

[1] Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652.



Low Power Consumption

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J.

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.