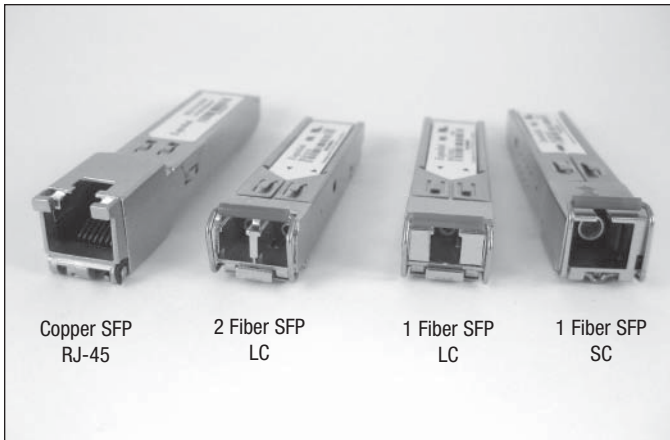


## Copper and Optical Fiber Ethernet Connectors



### Description

The ComNet selection of Small Form-Factor Pluggable modules allow for an optical or copper interface when using a ComNet managed switch, unmanaged switch or media converter. These interchangeable SFP modules are available for use with copper media, or multimode and single mode optical fiber. The optical fiber SFP modules are available in fast Ethernet one and two fiber versions and Gigabit one and two fiber versions. They also are available with LC or SC optical connectors. The ComNet SFP modules have different wavelengths and optical power to offer distances from 300 meters to 120 kilometers. These SFP modules are industrially rated to perform in the most difficult operating environments. The ComNet SFP interface is required for use with all ComNet SFP configurable products to qualify for the ComNet Lifetime Warranty.

### Features

- Transparent to data encoding/compatible with major data protocols
- Interchangeable SFP for fiber type, distance and connector
- No in-field optical adjustments required
- Conforms to (SFP) Small Form-Factor Pluggable Multi-Source Agreement
- IEEE 802.3 compliant
- Operating temperature: -40° C to +75° C
- Lifetime Warranty

specifications

Item Number	Mbps	Transmission Medium <sup>1</sup>	Transmit Wavelength	Receive Wavelength	Maximum Path Length	TX Power (dBm)	Typical		Opt. Loss Budget (dBm)	Number of Fibers	Receptacle Type
							RX Sensitivity (dBm)				
SFP-1	10/100/1000	Copper	N/A	N/A	IEEE 802.3	N/A	N/A	N/A	N/A	N/A	RJ45
SFP-2	100	Multimode	1310 nm	1310 nm	2 km	-19	≤-30	11	2	LC	
SFP-3	100	Single Mode	1310 nm	1310 nm	20 km	-15	≤-34	19	2	LC	
SFP-4	100	Single Mode	1310 nm	1310 nm	40 km	-5	≤-34	29	2	LC	
SFP-5	100	Single Mode	1550 nm	1550 nm	80 km	-5	≤-34	29	2	LC	
SFP-6	1000	Single Mode	1310 nm	1310 nm	15 km	-8	≤-24	16	2	LC	
SFP-7	1000	Single Mode	1310 nm	1310 nm	40 km	-5	≤-24	19	2	LC	
SFP-8	1000	Single Mode	1550 nm	1550 nm	70 km	0	≤-24	24	2	LC	
SFP-9	1000	Single Mode	1550 nm	1550 nm	120 km	0	≤-32	32	2	LC	
SFP-10	100	Single Mode	1310 nm	1550 nm	20 km	-14	≤-34	20	1	LC	
SFP-11	100	Single Mode	1550 nm	1310 nm	20 km	-14	≤-34	20	1	LC	
SFP-12	1000	Single Mode	1310 nm	1550 nm	20 km	-8	≤-23	15	1	LC	
SFP-13	1000	Single Mode	1550 nm	1310 nm	20 km	-8	≤-23	15	1	LC	
SFP-14	1000	Single Mode	1310 nm	1550 nm	20 km	-8	≤-23	15	1	SC	
SFP-15	1000	Single Mode	1550 nm	1310 nm	20 km	-8	≤-23	15	1	SC	
SFP-16	1000	Multimode	850 nm	850 nm	550 m*	-9.5	≤-17	7.5	2	LC	
SFP-17	1000	Single Mode	1310 nm	1550 nm	60 km	-1	≤-26	23	1	LC	
SFP-18	1000	Single Mode	1550 nm	1310 nm	60 km	-3	≤-26	25	1	LC	
SFP-19	100	Single Mode	1310 nm	1550 nm	60 km	-5	≤-34	28	1	LC	
SFP-20	100	Single Mode	1550 nm	1310 nm	60 km	-6	≤-34	29	1	LC	
SFP-21	1000	Single Mode	1310 nm	1550 nm	60 km	-1	≤-26	23	1	SC	
SFP-22	1000	Single Mode	1550 nm	1310 nm	60 km	-3	≤-26	25	1	SC	
SFP-23	100	Single Mode	1310 nm	1550 nm	60 km	-5	≤-34	28	1	SC	
SFP-24	100	Single Mode	1550 nm	1310 nm	60 km	-6	≤-34	29	1	SC	
SFP-25	100	Multimode	1310 nm	1550 nm	2 km	-15	≤-30	15	1	SC	
SFP-26	100	Multimode	1550 nm	1310 nm	2 km	-15	≤-30	15	1	SC	
SFP-27	1000	Single Mode	1310 nm	1310 nm	40 km	0	≤-24	24	2	LC	
SFP-28	1000	Single Mode	1510 nm	1510 nm	40 km	0	≤-24	24	2	LC	
SFP-29	1000	Single Mode	1530 nm	1530 nm	40 km	0	≤-24	24	2	LC	
SFP-30	1000	Single Mode	1550 nm	1550 nm	40 km	0	≤-24	24	2	LC	
SFP-31	1000	Single Mode	1570 nm	1570 nm	40 km	0	≤-24	24	2	LC	
SFP-32	1000	Single Mode	1590 nm	1590 nm	40 km	0	≤-24	24	2	LC	
SFP-33	1000	Single Mode	1610 nm	1610 nm	40 km	0	≤-24	24	2	LC	
SFP-34	1000	Single Mode	1470 nm	1470 nm	40 km	0	≤-24	24	2	LC	
SFP-35	1000	Single Mode	1490 nm	1490 nm	40 km	0	≤-24	24	2	LC	
SFP-36	100	Single Mode	1310 nm	1310 nm	20 km	-15	≤-34	19	1	SC	
SFP-37	100	Single Mode	1550 nm	1550 nm	20 km	-15	≤-34	19	1	SC	

\* 550m using 50/125µm fiber; 300m using 62.5/125µm fiber. <sup>1</sup>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.

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.



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