Small Form-Factor Pluggable (SFP) Copper and Optical Fiber Transceivers



The Comnet selection of MSA Compliant Small Form-Factor Pluggable (SFP) modules allows for an optical or electrical interface when using any ethernet device. These interchangeable SFP modules are available for use with copper media, multimode or single mode optical fiber. The optical fiber SFP modules are available from 100 MB to 10 GB speeds. They are available with LC or SC optical connectors. The Comnet SFP modules offer different wavelengths and optical power budget to allow distances from 300 meters to 120 kilometers. These SFP modules are industrially rated to perform in the most difficult operating environments. A Comnet SFP interface is required for use with all Comnet SFP configurable products to qualify for the Comnet Limited Lifetime Warranty.

AGENCY COMPLIANCE

FC PART 15 COMPLIANT CE c UL us RoHS

Key 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
- Industrial Hardened
- Limited Lifetime Warranty

SPECIFICATIONS AND ORDERING INFORMATION

PRODUCT 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	CON-NECTOR
SFP-1	1000	COPPER	N/A	N/A	IEEE 802.3	N/A	N/A	N/A	N/A	RJ45
SFP-1A	100	COPPER	N/A	N/A	IEEE 802.3	N/A	N/A	N/A	N/A	RJ45
SFP-2	100	MULTIMODE	1310	1310	2 KM	-19	≤-30	11	2	LC
SFP-3	100	SINGLE MODE	1310	1310	20 KM	-15	≤-31	16	2	LC
SFP-4	100	SINGLE MODE	1310	1310	40 KM	-14	≤-34	20	2	LC
SFP-5	100	SINGLE MODE	1550	1550	80 KM	-5	≤-31	26	2	LC
SFP-6	1000	SINGLE MODE	1310	1310	15 KM	-8	≤-24	16	2	LC
SFP-7	1000	SINGLE MODE	1310	1310	40 KM	-5	≤-24	19	2	LC
SFP-8	1000	SINGLE MODE	1550	1550	70 KM	0	≤-24	24	2	LC
SFP-9	1000	SINGLE MODE	1550	1550	120 KM	0	≤-32	32	2	LC
SFP-10A	100	SINGLE MODE	1310	1550	20 KM	-14	≤-33	19	1	LC
SFP-10B	100	SINGLE MODE	1550	1310	20 KM	-14	≤-33	19	1	LC
SFP-12A	1000	SINGLE MODE	1310	1550	20 KM	-8	≤-22	14	1	LC
SFP-12B	1000	SINGLE MODE	1550	1310	20 KM	-8	≤-22	14	1	LC
SFP-14A	1000	SINGLE MODE	1310	1550	20 KM	-8	≤-22	14	1	SC
SFP-14B	1000	SINGLE MODE	1550	1310	20 KM	-8	≤-22	14	1	SC
SFP-16	1000	MULTIMODE	850	850	550 M[2]	-9.5	≤-17	7.5	2	LC
SFP-18A	1000	SINGLE MODE	1310	1550	60 KM	-1	≤-26	25	1	LC
SFP-18B	1000	SINGLE MODE	1550	1310	60 KM	-3	≤-26	23	1	LC
SFP-20A	100	SINGLE MODE	1310	1550	60 KM	-5	≤-34	29	1	LC
SFP-20B	100	SINGLE MODE	1550	1310	60 KM	-6	≤-34	28	1	LC
SFP-22A	1000	SINGLE MODE	1310	1550	60 KM	-1	≤-26	25	1	SC
SFP-22B	1000	SINGLE MODE	1550	1310	60 KM	-3	≤-26	23	1	SC
SFP-24A	100	SINGLE MODE	1310	1550	60 KM	-5	≤-34	29	1	SC
SFP-24B	100	SINGLE MODE	1550	1310	60 KM	-6	≤-34	28	1	SC
SFP-26A	100	MULTIMODE	1310	1550	2 KM	-15	≤-30	15	1	SC
SFP-26B	100	MULTIMODE	1550	1310	2 KM	-15	≤-30	15	1	SC
SFP-36A	100	SINGLE MODE	1310	1550	20 KM	-15	≤-34	19	1	SC
SFP-36B	100	SINGLE MODE	1550	1310	20 KM	-15	≤-34	19	1	SC
SFP-39WIS	100	SINGLE MODE	1310	1310	10 KM	-9.5	≤ 20	10.5	2	LC
SFP-46	1000	MULTIMODE	1310	1310	2 KM	-10	-18	8	2	LC
SFP-48A	1000	MULTIMODE	1310	1550	550 M	-3	-20	17	1	LC

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SFP-48B	1000	MULTIMODE	1550	1310	550 M	-3	-20	17	1	LC
SFP-SX	1000	MULTIMODE	850	850	550 M[2]	-9.5	≤-17	7.5	2	LC
SFP-LX	1000	SINGLE MODE	1310	1310	10 KM	-9.5	≤-20	10.5	2	LC
SFP-LH	1000	SM & MM	1310	1310	20 KM/550 M[2]	-3	≤-20	17	2	LC
SFP-ZX	1000	SINGLE MODE	1550	1550	70 KM	0	≤-23	23	2	LC
SFP-BXU	1000	SINGLE MODE	1310	1490	10 KM	-9	≤-19.5	10.5	1	LC
SFP-LX/C	1000	SINGLE MODE	1310	1310	10 KM[2]	-9.5	≤-20	10.5	2	LC
SFP-10G-SR	10000	MULTIMODE	850	850	OM2 - 26 M/ OM3 - 300 M	-3.5	-8	4.5	2	LC
SFP-10G-LR	10000	SINGLE MODE	1310	1310	10 KM	-3	-11	8	2	LC
SFP-10G-ZR	10000	SINGLE MODE	1550	1550	80 KM	+2	-20	22	2	LC
SFP-10G-BX10-U	10000	SINGLE MODE	1270	1330	10 KM	-3	-11	8	1	LC
SFP-10G-BX10-D	10000	SINGLE MODE	1330	1270	10 KM	-3	-11	8	1	LC
SFP-10G-BX40-U	10000	SINGLE MODE	1270	1330	40 KM	0	-12	12	1	LC
SFP-10G-BX40-D	10000	SINGLE MODE	1330	1270	40 KM	0	-12	12	1	LC

OPTIONS

[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. Only optical patch cords with PC or UPC connectors are supported unless otherwise stated.
[2] 550 m using laser-optimized 50/125 µm fiber; 300 m using 62.5/125 µm fiber.

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.

COMPATIBILITY INFORMATION

To see the latest SFP compatibility information, please visit our website at:
https://products.acresecurity.com/sfp-compatibility-checker

or use the QR code below.