



DUAL FIBER SFP

KEY FEATURES AND BENEFITS

Champion ONE's Dual Fiber SFP product line supports a variety of protocols, including SONET, Ethernet, and Fibre Channel, over a wide range of distance and temperature options. In addition to offering unique solutions geared for your needs, Champion ONE works to ensure the highest level of quality by specifying the same optical parameters as your OEM switch and router provider, consistently adhering to the MSA (multi-source agreement) for SFPs.

Our carrier-grade SFP products also feature digital diagnostics, also known as digital optical monitoring (DOM), which is supported by the majority of switches and routers.

TECHNICAL SPECIFICATIONS

STANDARDS AND REGULATORY COMPLIANCE

- RoHS compliant
- SFP MSA (multi-source agreement)
- IEEE Std 802.3
- Fibre Channel Draft Physical Interface Specification
- Compliant with SONET/SDH optical standards

PROTOCOLS AND DATA RATES

- Fast Ethernet (125Mbps)
- Gigabit Ethernet (1.25Gbps)
- SONET OC-3/OC-12/OC-48
- Fibre Channel (1G and 2G)

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard temperature: 0 to 70°C
Most parts available in industrial temperature ('temperature hardened'): -40 to 85°C

C1 PN	Transmit Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Hardened Option Available ¹	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
SONET OC-48 (2.488 Gbps) - Multi-rate capable² (SONET OC-48/OC-12/OC-3, 1G and 2G Fibre Channel, Gigabit and Fast Ethernet)									
SONET-MR-SFP-31-SR	1310	SMF	2	-40 to 85	-	Multirate SONET SFP, OC-48/12/3 2km SR	-8 to -3	-19	0
SONET-MR-SFP-31-IR1	1310	SMF	15	-40 to 85	-	Multirate SONET SFP, OC-48/12/3 15km IR-1	-5 to 0	-19	0
SONET-MR-SFP-55-IR2	1550	SMF	40	0 to 70	Yes	Multirate SONET SFP, OC-48/12/3 40km IR-2	-5 to 0	-19	0
SONET-MR-SFP-31-LR1	1310	SMF	40	0 to 70	Yes	Multirate SONET SFP, OC-48/12/3 40km LR-1	-2 to +3	-28	-7
SONET-MR-SFP-55-LR2	1550	SMF	80	0 to 70	Yes	Multirate SONET SFP, OC-48/12/3 80km LR-2	-2 to +3	-28	-7
Gigabit Ethernet (1.25 Gbps), 1G Fibre Channel (1.0625 Gbps)									
1000SFP055	850	MMF	0.55	-20 to 85	Yes	550m Short Haul SFP	-9 to -3.5	-18	na
1000SFPMMX	1310	MMF	2	0 to 70	Yes	2km Extended Range SFP	-9 to -3.5	-18	0
1000SFP10	1310	SMF	10	0 to 70	Yes	10km Long Haul SFP	-9 to -3.5	-18	0
1000SFP40R2	1310	SMF	40	-5 to 75	Yes	40km Intermediate Reach SFP Revision 2	-5 to 0	-22	0
1000SFP40	1310	SMF	40	-10 to 70	Yes	40km Intermediate Reach SFP	0 to 5	-22	0
1000SFP80	1550	SMF	80	-10 to 70	Yes	80km Extended Reach SFP	0 to 5	-22	0
1000SFP120	1550	SMF	120	-10 to 70	Yes	120km Extended Long Reach SFP	0 to 5	-30	-9
SONET OC-12 (622 Mbps)									
SONET-OC12-SFP-31-SR	1310	SMF	2	0 to 70	Yes	OC12/STM-4 SONET/SDH SFP, SR	-15 to -8	-28	-8
SONET-OC12-SFP-31-IR	1310	SMF	15	0 to 70	Yes	OC12/STM-4 SONET/SDH SFP, IR-1	-15 to -8	-28	-8
SONET-OC12-SFP-31-LR1	1310	SMF	40	0 to 70	Yes	OC12/STM-4 SONET/SDH SFP, LR-1	-3 to 2	-28	-8
SONET-OC12-SFP-55-LR2	1550	SMF	80	0 to 70	Yes	OC-12/STM-4 SONET/SDH SFP, LR-2	-3 to +2	-28	-8
SONET OC-3 (155 Mbps), Fast Ethernet³ (125 Mbps)									
SONET-OC3-SFP-31-SR	1310	SMF	2	0 to 70	Yes	OC-3/STM-1 SONET SFP, SR	-15 to -8	-28	-8
SONET-OC3-SFP-31-IR	1310	SMF	15	0 to 70	Yes	OC-3/STM-1 SONET SFP, IR-1	-15 to -8	-28	-8
SONET-OC3-SFP-31-LR1	1310	SMF	40	0 to 70	Yes	OC-3/STM-1 SONET SFP, LR-1	-5 to 0	-34	-10
SONET-OC3-SFP-55-LR2	1550	SMF	80	0 to 70	Yes	OC-3/STM-1 SONET SFP,LR-2	-5 to 0	-34	-10

Notes:

1. Hardened Option - operating temperature range is -40 to +85°C (-40 to +185°F). Optical specifications are the same. Part number has a "H" suffix. Example: 1000SFP40-H
2. Multi-rate transceivers will not operate in all platforms at all data rates listed. Contact your account representative for platform-specific questions.
3. Fast Ethernet Compatible. Tested to Bellcore GR-253 and ITU-T G.957 Specifications for SONET OC-3/SDH STM-1 applications.

SERVICE AND SUPPORT

Running a network or selling network services and products can be a highly competitive endeavor. To help differentiate your business and enable you to provide more cost effective infrastructure, you require a partner that provides competitive pricing and vertical market expertise. At Champion ONE we understand your needs. We leverage our skills and relationships to:

- Provide network design services and help you explore alternative network designs you may not have considered
- Provide technical and sales support when you need it
- Accept orders for same day shipment up to 5:00 PM EST
- Offer some of the longest warranties in the industry
- Offer a 30-day return policy
- Build a long-term supplier partnership with you

You can rely on Champion ONE, not only for the highest levels of availability for the products you need, but the technical support, customer service and cost consideration you deserve. Our goal is your complete satisfaction.

GLOBAL HEADQUARTERS

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