



CWDM SFP

KEY FEATURES AND BENEFITS

Take your network farther with Champion ONE's SFP CWDM components, which offer direct replacement for OEM optics. This allows the use of fiber-conserving WDM solutions in standard switches and routers, eliminating the need for a separate optical transport device. Our CWDM SFPs are typically available in 8 standard ITU CWDM, ranging from 1470 to 1610 nm, in 20nm spacings. Lower CWDM wavelengths (1450nm and below) are available upon request.

Champion ONE CWDM SFPs are available in single-rate (Gigabit Ethernet) as well as multi-rate versions. They are capable of supporting data rates from 155Mbps (SONET OC-3) through 2.488Gbps (SONET OC-48), as well as 622Mbps (SONET OC-12), Gigabit Ethernet, and 1G and 2G Fibre Channel as well.

CWDM SFP transceivers also feature digital diagnostics, also known as digital optical monitoring (DOM), which is supported by the majority of switch and router OEMs in their operating system software.

TECHNICAL SPECIFICATIONS

STANDARDS AND REGULATORY COMPLIANCE

- RoHS compliant
- IEEE Std 802.3 (Gigabit Ethernet 802.3z, 802.3ah, FastE 802.3u)
- Fibre Channel Draft Physical Interface Specification FC-PI-2
- Compliant with SONET/SDH optical standards
- SFP MSA (multi-source agreement)

PROTOCOLS AND DATA RATES

- Fast Ethernet (125Mbps)
- SONET OC-3 (155Mbps)
- SONET OC-12 (622Mbps)
- Gigabit Ethernet (1.25Gbps)
- 1G and 2G Fibre Channel
- SONET OC-48 (2.488Gbps)

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard and 'hardened' temperature

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)
Multi-rate capable² (SONET OC-48/OC-12/OC-3, 1G and 2G Fibre Channel, Gigabit and Fast Ethernet³)									
2500SFP1xx0CWDM80	1470 to 1610	SMF	80	0 to 70	Yes	Multirate CWDM SFP, 1xx0nm, 80km rated	0 to +5	-28	-9
Gigabit Ethernet, 1G Fibre Channel									
1000SFP1xx0CWDM40	1470 to 1610	SMF	40	-5 to 75	No	40km Gigabit Ethernet CWDM SFP, 1xx0nm	-3 to +2	-22	0
1000SFP1xx0CWDM40R2	1470 to 1610	SMF	40	-5 to 75	Yes	40km Gigabit Ethernet CWDM SFP, 1xx0nm Revision 2	-3 to +2	-22	0
1000SFP1xx0CWDM80	1470 to 1610	SMF	80	0 to 70	No	80km CWDM SFP, 1xx0nm (APD receiver)	+1 to +5	-29	-7
1000SFP1xx0CWDM80R2	1470 to 1610	SMF	80	0 to 70	Yes	80km CWDM SFP, 1xx0nm Revision 2 (PIN receiver)	0 to +5	-24	0
1000SFP1xx0CWDM120R2	1470 to 1610	SMF	120	0 to 70	Yes	120km CWDM SFP, 1xx0nm, 1470-1610nm Revision 2	+0.5 to +5	-33.5	-5
1000SFP1xx0CWDM160	1470 to 1610	SMF	160	0 to 70	No	160km CWDM SFP, 1xx0nm, very long haul	+5 to +8	-36	-9
Lower Multi-rate capable (SONET OC-12/OC-3 and Fast Ethernet³)									
CWDM-OC12-SFP-xx-LR1	1470 to 1610	SMF	40	-5 to 75	Yes	40km CWDM SFP, 1xx0nm, OC-12 (LR-1/IR-2)	-5 to 0	-27	0
CWDM-OC12-SFP-xx-LR2	1470 to 1610	SMF	80	-5 to 75	Yes	80km CWDM SFP, 1xx0nm, OC-12 (LR-2)	0 to +5	-29	0

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

Champion ONE
 23645 Mercantile Road, Suite A
 Beachwood, OH 44122
 Phone: 800-860-7466
 Fax: 216-831-2541
 e-mail: sales@championone.net
www.championone.net

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