



DUAL FIBER XFP

KEY FEATURES AND BENEFITS

Simplicity. Flexibility. Interoperability. These are the vital benefits our Passport line of optics provides. Instead of ordering a multitude of platform-specific optics, Passport's open methodology allows network operators to maximize operational efficiency by selecting one transceiver that works reliably across multiple switch and router platforms.

Champion ONE's Dual Fiber XFP 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 XFPs.

Our carrier-grade XFP 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
 XFP MSA (multi-source agreement)
 IEEE Std 802.3
 Fibre Channel Draft Physical Interface Specification
 Compliant with SONET/SDH optical standards

PROTOCOLS AND DATA RATES

SONET OC-192
 10G Ethernet LAN/WAN
 10G Fibre Channel
 ITU-T G.709
 10GBASE LAN/WAN + FEC
 10G FC and FEC

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard temperature: -5 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)	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
Multi-rate 10G Dual Fiber XFPs								
10GXFP030	850	MMF	0.033 (OM1)	0 to 70	33m/82m/300m 10GBase-SR/SW, 10G FC XFP	-6.0 to -1.0	-10.0	0.5
10GXFP030-H			0.082 (OM2)	-40 to 85	33m/82m/300m 10GBase-SR/SW, 10G FC XFP, Temperature Hardened	-7.3 to -1.0	-11.0	-1.0
10GXFP10	1310	SMF	10	-5 to 70	10km 10GBase-LR/LW, 10G FC, OC-192 XFP	-6.0 to -1.0	-14.4	0.5
10GXFP10-H				-40 to 85	10km 10GBase-LR/LW, 10G FC, OC-192 XFP, Temperature Hardened	-8.2 to 0.5	-12.6	
10GXFP40(-H)	1550	SMF	40	-5 to 70 (-40 to 85)	40km 10GBase-ER/EW, 10G FC, OC-192 XFP (Temperature Hardened)	-1.0 to 4.0	-16.0	-1.0
10GXFP80(-H)	1550	SMF	80	0 to 70 (-40 to 85)	80km 10GBase-ZR/ZW, 10G FC, OC-192 XFP (Temperature Hardened)	0.0 to 4.0	-24.0	-7.0
10GXFP80R2(-H)	1550	SMF	80	0 to 70 (-40 to 85)	80km 10GBase-ZR/ZW, 10G FC, OC-192 XFP Rev 2 (Temperature Hardened)	-1.0 to 3.0	-24.0	-7.0
10GXFP120	1550	SMF	120 ¹	-5 to 70	100-120km 10GBase-ZR/ZW, OC-192 Ext. Range XFP	0.0 to 4.0	-22.0 ²	-9.0

Notes:

1. 120km reach is dependent upon fiber quality.
2. 10GXFP120 has a 0 to +2400 ps/nm Dispersion Tolerance unlike 10GXFP80, which has a 3dB dispersion penalty. This reduces effective link budget to an 80km rating.

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 3:00 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.

THE CHAMPION ONE COMMITMENT



For over twenty years, we at Champion ONE have been delivering great value to our customers through high-quality products at competitive prices. As one of the leading suppliers of compatible optical transceivers and a major supplier of optical networking solutions, we take great pride in building long-term relationships as a trusted partner. In this spirit, everything we bring to market bears the Champion ONE Shield™, which strengthens this trust through five core promises: Performance, Availability, Compatibility, Protection, and Value.

All product photos are representative samples only.

Champion ONE and the Champion ONE logo are registered trademarks of Champion Optical Network Engineering, LLC. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Champion ONE assumes no responsibility for any inaccuracies in this document. Champion ONE reserves the right to change, alter, or otherwise revise this document without notice.

GLOBAL HEADQUARTERS

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

1.4.2018 – REV 4.9