

## PASSPORT DATA SHEET

# Dual Fiber XFP



Champion ONE's Dual Fiber XFP product line supports a variety of protocols over a wide range of distance and temperature options. These optics are fully MSA-compliant and offer direct compatibility with your existing switches and routers.

*Champion ONE **Passport** transceivers are programmed for universal compatibility across multiple OEM platforms. This open methodology reduces costs and unlocks operational simplicity by reducing sparing costs.*

## 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 Part Number	Transmit Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
<b>MULTI-RATE (10G ETHERNET, 10G FIBRE CHANNEL, SONET OC-192)</b>								
10GXFP030	850	MMF	0.033 (OM1) 0.082 (OM2) 0.300 (OM3)	0 to 70	33m/82m/300m 10GBase-SR/SW, 10G FC XFP	-6.0 to -1.0	-10.0	0.5
10GXFP030-H	850	MMF	0.033 (OM1) 0.082 (OM2) 0.300 (OM3)	-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	1310	SMF	10	-40 to 85	10km 10GBase-LR/LW, 10G FC, OC-192 XFP, Temperature Hardened	-8.2 to 0.5	-12.6	0.5
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

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<b>MULTI-RATE (10G ETHERNET, 10G FIBRE CHANNEL, SONET OC-192)</b>								
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 <sup>1</sup>	-5 to 70	100-120km 10GBase-ZR/ZW, OC-192 Ext. Range XFP	0.0 to 4.0	-22.0 <sup>2</sup>	-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.