

PASSPORT DATA SHEET

Dual Fiber SFP+



Champion ONE's Dual Fiber SFP+ 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
IEEE Std 802.3ae, 802.3aq (10Gbase-LRM)
SFP+ MSA (multi-source agreement)

PROTOCOLS AND DATA RATES

Product line supports the following protocols and data rates:
10G Ethernet
CPRI (6G, 10G)

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 Part Number	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)
10G MULTI-PROTOCOL									
10GSFP+E-SR	850	MMF	.033 (OM1) .082 (OM2) .300 (OM3) .400 (OM4)	0 to 70	Yes	Short haul 10GBase-SR SFP+, 850nm 33/82/300/400m rated	-6.0 / -1.0	-11.1	-1.0
10GSFP+E-LRM	1310	MMF	.220	0 to 70	No	LRM 10GBase-LRM SFP+, 1310nm, 220m rated	-6.5 / 0.5	-12.0	1.5
10GSFP+E-LR	1310	SMF	10	0 to 70	Yes	Long haul 10GBase-LR SFP+, 1310nm, 10km rated	-8.2 / 0.5	-14.4	0.5
10GSFP+M-LR	1310	SMF	10	0 to 70	No	Multi-Rate (8.5 - 11.3Gb/s) 1310nm, 10km rated	-6.0 / -1.0	-14.4	0.5
10GSFP+M31-ER	1310	SMF	40	0 to 70	No	Multi-Rate (6.1 - 11.3Gb/s) SFP+, 1310nm, 40km rated	-3.0 / 4.0	-19.0	-7.0
10GSFP+E-ER2	1550	SMF	40	0 to 70	Yes²	Extended-reach 10GBase-ER SFP+, 1550nm, 40km rated	-1.0 / 4.0	-15.8	-1.0²
10GSFP+E-ZR	1550	SMF	80	0 to 70	Yes	Long Reach 10GBase-ZR SFP+, 1550nm, 80km rated	0.0 / 4.0	-23.0	-7.0
10GSFP+E-ZR100	1550	SMF	100	0 to 70	No	Long Reach 10GBase-ZR SFP+, 1550nm, 100km rated	1.0 / 5.0	-25.0	-8.0
1G/10G MULTI-RATE									
MR-SFP+E-SR	850	MMF	.033 (OM1) .082 (OM2) .300 (OM3)	0 to 70	Yes	Multi-rate 1G/10G Base-SR SFP+ 850nm, 33/82/300m rated	-5.0 / -1.0	-9.9	-1.0
MR-SFP+E-LR	1310	SMF	10	0 to 70	Yes	Multi-rate 1G/10G Base-LR SFP+, 10km	-6.0 / -0.5	-15.0	0.5

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6G CPRI									
6GSFP+C-SR	850	MMF	.3	-40 to 85	-	6.144G CPRI SFP+ 850nm 300m Temp Hardened	-6.0 / -1	-15.0	-1.0
6GSFP+C-LR	1310	SMF	10	-40 to 85	-	6.144G CPRI SFP+ 1310nm 10km Temp Hardened	-6.0 / -0.5	-10.0	-0.5
10G CPRI									
10GSFP+C-SR	850	MMF	.3	-40 to 85	-	9.830G CPRI SFP+ 850nm 300m Temp Hardened	-6.0 / -1.0	-10.0	-0.5
10GSFP+C-LR	1310	SMF	10	-40 to 85	-	9.830G CPRI SFP+ 1310nm 10km Temp Hardened	-6.0 / -0.5	-14.4	-0.5

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: 10GSFP+E-SR-H
2. 10GSFP+E-ER2-H has a maximum input power of 0.5 dBm.