

PASSPORT DATA SHEET

10G DWDM SFP+



Champion ONE's SFP+ DWDM transceivers offer direct compatibility with existing switches and routers. These optics can be used as part of a passive DWDM solution that enables network operators to cost-effectively expand their fiber capacity.

*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
Fibre Channel Draft Physical Interface Specification
SFP+ MSA (multi-source agreement)

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

PROTOCOLS AND DATA RATES

10G Ethernet
10G Fibre Channel
4.915G - 9.830G CPRI
16G Fibre Channel (FC-PI-5 Rev. 6.10)

C1 Part Number	Transmit Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Hardened Option Available?	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
MULTI-PROTOCOL 10G (10G LAN/WAN, 10G FC, OC-192, +FEC)									
10GSFP+Exxx0DWDM40(-H)	1528.77 (ch. 61) to 1561.42 (ch. 20)	SMF	40	-5 to 70 (-40to 85)	Yes	Multi-rate DWDM SFP+, ITU channel xx.x, 40km rated	-1 / 4	-15.8	-1 ¹
10GSFP+Exxx0DWDM80(-H)	1528.77 (ch. 61) to 1561.42 (ch. 20)	SMF	80	0 to 70 (-40to 85)	Yes	Multi-rate DWDM SFP+, ITU channel xx.x, 80km rated	0 / 5	-23	-6
MULTI-RATE (4.915G - 9.830G) CPRI									
10GSFP+CMRDxx-ER	1529.55 (ch. 60) to 1563.86 (ch. 17)	SMF	40	-40 to 85	-	4.915G to 9.830G MR CPRI DWDM SFP+, ITU channel xx, 40km rated, temperature hardened	-1 / 3	-15	0
10GSFP+CMRDxx-ZR	1529.55 (ch. 60) to 1563.86 (ch. 17)	SMF	80	-40 to 85	-	4.915G to 9.830G MR CPRI DWDM SFP+, ITU channel xx, 80km rated, temperature hardened	-1 / 4	-22	-6

C1 Part Number	Transmit Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Hardened Option Available?	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
16G FIBRE CHANNEL									
16GSFP+FCxx00DWDM20	1528.77 (ch 61) to 1563.86 (ch 17)	SMF	20	0 to 70	No	16G Fibre Channel DWDM SFP+ ITU channel xx, 20km rated	-1 / 3	-14	-1

Notes:

1. Hardened version (10GSFP+Exx00DWDM40-H) has a max input power of 0.0 dBm.

Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel
		191.10	1568.77		11		192.40		1558.17	24			193.70	1547.72	37
	191.15	1568.36	11.5		192.45	1557.77	24.5		193.75	1547.32	37.5		195.00	1537.40	50
	191.20	1597.95	12		192.50	1557.36	25		193.80	1546.92	38		195.05	1537.00	50.5
	191.25	1567.54	12.5		192.55	1556.96	25.5		193.85	1546.52	38.5		195.10	1536.61	51
	191.30	1567.13	13		192.60	1556.55	26		193.90	1546.12	39		195.15	1536.22	51.5
	191.35	1566.72	13.5		192.65	1556.15	26.5		193.95	1545.72	39.5		195.20	1535.82	52
	191.40	1566.31	14		192.70	1555.75	27		194.00	1545.32	40		195.25	1535.43	52.5
	191.45	1565.90	14.5		192.75	1555.34	27.5		194.05	1544.92	40.5		195.30	1535.04	53
	191.50	1565.50	15		192.80	1554.94	28		194.10	1544.53	41		195.35	1534.64	53.5
	191.55	1565.09	15.5		192.85	1554.54	28.5		194.15	1544.13	41.5		195.40	1534.25	54
	191.60	1564.68	16		192.90	1554.13	29		194.20	1543.73	42		195.45	1533.86	54.5
	191.65	1564.27	16.5		192.95	1553.73	29.5		194.25	1543.33	42.5		195.50	1533.47	55
	191.70	1563.86	17		193.00	1553.33	30		194.30	1542.94	43		195.55	1533.07	55.5
	191.75	1563.45	17.5		193.05	1552.93	30.5		194.35	1542.54	43.5		195.60	1532.68	56
	191.80	1563.05	18		193.10	1552.52	31		194.40	1542.14	44		195.65	1532.29	56.5
	191.85	1562.64	18.5		193.15	1552.12	31.5		194.45	1541.75	44.5		195.70	1531.90	57
	191.90	1562.23	19		193.20	1551.72	32		194.50	1541.35	45		195.75	1531.51	57.5
	191.95	1561.83	19.5		193.25	1551.32	32.5		194.55	1540.95	45.5		195.80	1531.12	58
	192.00	1561.42	20		193.30	1550.92	33		194.60	1540.56	46		195.85	1530.72	58.5
	192.05	1561.01	20.5		193.35	1550.52	33.5		194.65	1540.16	46.5		195.90	1530.33	59
	192.10	1560.61	21		193.40	1550.12	34		194.70	1539.77	47		196.95	1529.94	59.5
	192.15	1560.20	21.5		193.45	1549.72	34.5		194.75	1539.37	47.5		196.00	1529.55	60
	192.20	1559.79	22		193.50	1549.32	35		194.80	1538.98	48		196.05	1529.16	60.5
	192.25	1559.39	22.5		193.55	1548.91	35.5		194.85	1538.58	48.5		196.10	1528.77	61
	192.30	1558.98	23		193.60	1548.51	36		194.90	1538.19	49		196.15	1528.38	61.5
	192.35	1558.58	23.5		193.65	1548.11	36.5								