

PASSPORT DATA SHEET

100G CFP



Champion ONE's 100G CFP optical transceivers offer direct compatibility with your existing switches and routers. Champion ONE's 100G CFP transceivers are hot pluggable and provide 100 Gb/s Ethernet and/or OTN OTU4 transmission over either multimode or single mode fiber. Digital diagnostic functions are available via a MDIO interface, per the CFP MSA.

*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
CFP MSA (multi-source agreement)

PROTOCOLS AND DATA RATES

Product line supports the following protocols and data rates:
100G Ethernet (103.125 Gbps)
OTN OTU4 4I1-9D1F (112 Gbps)

CONNECTOR

MPO connector (SR10)
LC connector (LR4, ER4, ZR4)

WARRANTY

All feature a limited 3-year warranty

NOTES

Available in standard temperature (0 to 70° C) only.

C1 Part Number	Wavelength (nm)	Fiber Type	Rated Distance	Description	Avg. Launch Power per Lane (min/max) (dBm)	Avg. Rx Range per Lane (min/max)(dBm)	Max Power Consumption (W)
100G ETHERNET, OTN OTU4							
100GCFPE-SR10	850 (10x10Gb/s)	MMF	100m (OM3) 150m (OM4)	100GBase-SR10 CFP, 100/150m, MMF MPO connector	-7.6 / 2.4	-9.5 / 2.4	12
100GCFPEp2-LR4	1294.53-1296.59 1299.02-1301.09 1303.54-1305.63 1308.09-1310.19	SMF	10km	Single-Rate 100GBase-LR4 CFP 10km SMF LC/UPC connector, Gen 2	-4.3 / 4.5	-10.6 / 4.5	16
100GCFPM-LR4	1294.53-1296.59 1299.02-1301.09 1303.54-1305.63 1308.09-1310.19	SMF	10km	Multi-Rate 100GBase-LR4/OTU4 CFP 10km SMF LC/UPC connector, Gen 1	-4.3 / 4.5 (100GBase-LR4) -2.5 / 2.9 (OTU4)	-10.6 / 4.5 (100GBase-LR4) -8.8 / 2.9 (OTU4)	24
100GCFPE-ER4	1294.53-1296.59 1299.02-1301.09 1303.54-1305.63 1308.09-1310.19	SMF	40km	Single-Rate 100GBASE-ER4 CFP 40km SMF LC connector, C-Temp, Gen 1	-2.9 / 2.9	-20.9 / 4.5	24
100GCFPEp2-ER4	1294.53-1296.59 1299.02-1301.09 1303.54-1305.63 1308.09-1310.19	SMF	40km	Single-Rate 100GBASE-ER4 CFP 40km SMF LC connector, C-Temp, Gen 2	-2.9 / 2.9	-20.9 / 4.5	16
100GCFPE-ZR4	1294.53-1296.59 1299.02-1301.09 1303.54-1305.63 1308.09-1310.19	SMF	80km	Single-Rate 100GBASE-ZR4 CFP 80km SMF LC connector, C-Temp	2.0 / 6.5	-30 / -7	24