

## 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)
<b>100G ETHERNET, OTN OTU4</b>							
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