CHAMPION ONE™

PASSPORT DATA SHEET

40G QSFP+

Champion ONE's QSFP+ components offer direct replacement for OEM optics. These hot swappable devices are a perfect fit for data center, enterprise and service provider applications.

*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 802.3ba
QSFP+ MSA (multi-source agreement)

PROTOCOLS AND DATA RATES
Product line supports the following protocols and data rates:
40GBase Ethernet

CONNECTOR
SR4 and ESR4: 1x12 MPO
PSMIR4 and PSMLR4: MPO 8° angled (MPO-to-LC breakout cables available)
LM4, LX4, IR4, LR4 and ER4: Duplex LC

WARRANTY
All transceivers feature a limited lifetime warranty.
Fiber breakout cables feature a limited 1-year warranty.

NOTES
Available in standard temperature (0 to 70° C)

C1 Part Number	Wavelength (nm)	Fiber Type	Rated Distance	Description	Avg. Tx Power per Lane (min/max) (dBm)	Avg. Rx Power per Lane (min/max) (dBm)	Damage Threshold per Lane (dBm)	Max Power Consumption (W)
40G ETHERNET								
40GQSFP+E-SR4	850	MMF	100m (OM3) 150m (OM4)	40GBase-SR4 QSFP+, 100m/150m, MMF 1x12 MPO connector	-7.6 / 1.0	-9.5 / 2.4	3.4	1.5
40GQSFP+E-ESR4	850	MMF	300m (OM3) 400m (OM4)	40GBase-ESR4 QSFP+, 300m, MMF 1x12 MPO connector	-7.3 / 1.0	-9.9 / 2.4	3.4	1.5
40GQSFP+E-LM4	1310	MMF	140m (OM3) 160m (OM4)	40GBase-LM4 QSFP+ 140m/160m, MMF LC connector	-7.0 / 4.3	-10.0 / 4.3	5.5	3.5
40GQSFP+E-LX4	L0: 1271 L1: 1291 L2: 1311 L3: 1331	SMF or MMF	2km (SMF) 150m (OM3 MMF)	40GBase-LX4 QSFP+, 2km (SMF)/150m (OM3 MMF), LC connector	-7.0 / 2.3 (SMF) -5.0 / 3.5 (OM3 MMF)	-11.7 / 2.3 (SMF) -7.0 / 3.5 (OM3 MMF)	4.5	3.5
40GQSFP+E-PSMIR4[1] 40GQSFP+E-PSMIR4-TAA[2]	1310	SMF	1.4km	40GBase-PSM IR4 QSFP+, 1.4km SMF MPO 8° angled connector	-5.5 / 1.5	-11.5 / 1.5	3.3	3.5

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40G ETHERNET								
40GQSFP+E-IR4	L0: 1271 L1: 1291 L2: 1311 L3: 1331	SMF	2km	40GBase-IR4 QSFP+, 2km SMF LC connector	-7.0 / 2.3	-11.7 / 2.3	3.3	3.5
40GQSFP+E-PSMLR4[1], 40GQSFP+E-PSMLR4-TAA[2]	1310	SMF	10km	40GBase-PSM LR4 QSFP+, 10km SMF MPO 8° angled connector	-5.5 / 1.5	-12.6 / 1.5	3.3	3.5
40GQSFP+E-LR4	L0: 1271 L1: 1291 L2: 1311 L3: 1331	SMF	10km	40GBase-LR4 QSFP+, 10km, SMF LC connector	-7.0 / 2.3	-13.7 / 2.3	3.3	3.5
40GQSFP+E-ER4	L0: 1271 L1: 1291 L2: 1311 L3: 1331	SMF	40km	40GBase-ER4 QSFP+, 40km, SMF LC connector	-3.0 / 5.0	-20.0 / -4.5	3.5	3.3

NOTES:
1. To make a connection to 4x10G SFP+ transceivers via a patch panel, use the MPO-to-8 LC breakout cables listed below.
2. This part number is fully compliant with the Trade Agreement Act (TAA).

Cable Ordering Guide

In addition to a full line of 40G QSFP+ transceivers, Champion ONE also offers breakout cables, which can be customized to your particular application according to the ordering scheme listed below.
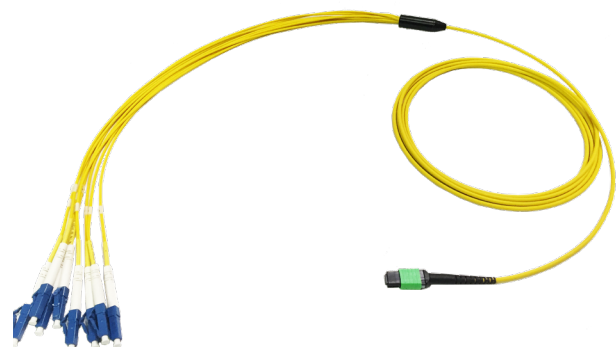
PART NUMBER SCHEME:

FIBER-MPOT-8CC-LLM-FM

T	MPO Connector Type
M	Male
F	Female

CC	Connector Type
FC	FC connector
LC	LC connector
SC	SC connector
ST	ST connector

LL	Cable Length
01	1m
03	3m
05	5m
07	7m
Other Custom Distances Available. Contact your Champion ONE sales representative for assistance.	

F	Fiber Type
S	Single Mode
M	Multi Mode

FIBER-MPOM-8LC-03M-SM

FIBER-MPOF-8LC-03M-SM

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