

PASSPORT DATA SHEET

40G QSFP+ DWDM



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. They offer 40G transmission over ITU-T-specified DWDM via PAM4 modulation.

*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
QSFP+ MSA SFF-8636

PROTOCOLS AND DATA RATES

40GBase Ethernet

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

- Available in standard temperature (0 to 70° C)
- All transceivers feature digital diagnostic/DOM functionality
- EDFA amplification and dispersion compensation are required to compensate the fiber link loss and fiber dispersion over distances longer than a few kilometers.

C1 Part Number	Wavelength (nm)	Fiber Type	Rated Distance (km)	Hardened Option Available? ¹	Description	Avg. Launch Power (min/max) (dBm)	Avg. Rx Power per Lane (min/max) (dBm)	Max Power Consumption (W)
40G ETHERNET								
40GEQ-Dxx-PAM4	1529.55 - 1560.61 (ITU ch. 21-60)	SMF	80 (see Notes above)	No	40G DWDM QSFP+ CH xx, 15xx.yy nm PAM4	-1 / 3	-11 / 5	3.45

	Frequency (THz)	Center Wavelength (nm)	ITU Channel
Supported Wavelengths/Channels	192.10	1560.61	21
	192.20	1559.79	22
	192.30	1558.98	23
	192.40	1558.17	24
	192.50	1557.36	25
	192.60	1556.55	26
	192.70	1555.75	27
	192.80	1554.94	28
	192.90	1554.13	29
	193.00	1553.33	30
	193.10	1552.52	31
	193.20	1551.72	32
	193.30	1550.92	33
	193.40	1550.12	34
	193.50	1549.32	35
	193.60	1548.51	36
	193.70	1547.72	37
	193.80	1546.92	38
193.90	1546.12	39	
194.00	1545.32	40	
194.10	1544.53	41	

	Frequency (THz)	Center Wavelength (nm)	ITU Channel
Supported Wavelengths/Channels	194.20	1543.73	42
	194.30	1542.94	43
	194.40	1542.14	44
	194.50	1541.35	45
	194.60	1540.56	46
	194.70	1539.77	47
	194.80	1538.98	48
	194.90	1538.19	49
	195.00	1537.4	50
	195.10	1536.61	51
	195.20	1535.82	52
	195.30	1535.04	53
	195.40	1534.25	54
	195.50	1533.47	55
	195.60	1532.68	56
	195.70	1531.9	57
	195.80	1531.12	58
	195.90	1530.33	59
196.00	1529.55	60	
196.10	1528.77	61	