

SUREPORT DATA SHEET

Foundry/Brocade-Compatible DWDM XFP



Champion ONE's XFP 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 Sureport transceivers are programmed for one-to-one compatibility with your existing OEM platforms.

Technical Specifications

STANDARDS AND REGULATORY COMPLIANCE

RoHS compliant
IEEE Std 802.3ae
Fibre Channel Draft Physical Interface Specification
Compliant with SONET/SDH optical standards
XFP MSA (multi-source agreement)
UL/CSA Class 3862.07 / 3862.87

PROTOCOLS AND DATA RATES

SONET OC-192
10G Ethernet LAN/WAN
10G Fibre Channel
ITU-T G.709
10GBASE LAN/WAN + FEC
10G FC and FEC

DIMENSIONS

71 x 18.5 x 8.5 mm ; 300 g

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

| C1 Part Number | Transmit Wavelength (nm) | Fiber Type | Rated Distance (km) | Temp Range (°C) | Description | Tx (min/max) (dBm) | Rx (min/max) (dBm) | Substitute for Foundry-Brocade® part # |
|---|--------------------------------------|------------|---------------------|---------------------|--|--------------------|--------------------|--|
| MULTI-PROTOCOL 10G (10G LAN/WAN, 10G FC, OC-192, +FEC) | | | | | | | | |
| 10GX-Dxx-80(I)-FBR | 1528.77 (ch. 61) to 1561.42 (ch. 20) | SMF | 80 | 0 to 70 (-40 to 85) | XFP 10GBASE-DWDM CHxx 80km, multi-rate, Foundry-Brocade compatible | -1.0 / 3.0 | -23.0 / -7.0 | XFP-DWDM |

* Parts are intended as one-to-one replacements. Please verify that the OEM part number is compatible with your system before ordering. If you have questions regarding specific switches and routers, please contact your Champion ONE sales representative for support. In most cases, a customized solution can be developed to meet your needs.

| 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 | | 194.95 | 1537.79 | 49.5 |
| | 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 | | | | | | | | | | |