

PASSPORT DATA SHEET

Fixed Channel DWDM XFP



Champion ONE's fixed-channel DWDM XFPs offer a direct replacement for the OEM brand pluggable optics. This allows the use of fiber-conserving WDM solutions in standard switches and routers, eliminating the need for a separate optical transport device.

*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 802.3ae
Fibre Channel Draft Physical Interface Specification
Compliant with SONET/SDH optical standards
XFP MSA (multi-source agreement)

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

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard and 'hardened' temperature (-40 to 85°C)

| C1 Part Number | Transmit Wavelength (nm) | Fiber Type | Rated Distance (km) | Temp Range (°C) | Hardened Option Available ¹ | Description | Output Power (min/max) (dBm) | Receiver Sensitivity (dBm) | Max. Input Power (dBm) |
|---|--------------------------------------|------------|---------------------|-----------------|--|---|------------------------------|----------------------------|------------------------|
| MULTI-PROTOCOL 10G (10G LAN/WAN, 10G FC, OC-192, +FEC) | | | | | | | | | |
| 10GXFPxx00DWDM40 | 1528.77 (ch. 61) to 1561.42 (ch. 20) | SMF | 40 | -5 to 70 | Yes | Multi-rate DWDM XFP channel xx (ITU ch., 20-61, 100GHz spacing), 40km rated | -1 to 2 | -16 | -1 |
| 10GXFPxx00DWDM80 | 1528.77 (ch. 61) to 1561.42 (ch. 20) | SMF | 80 | -5 to 70 | Yes | Multi-rate DWDM XFP channel xx (ITU ch. 20-61, 100GHz spacing), 80km rated | -1 to 3 | -24 | -8 |

Notes:

1. Hardened Option - operating temperature range is -40 to +85°C (-40 to +185°F). Optical specifications are the same. Part number has a "H" suffix. Example: 10GXFP3200DWDM80-H

| 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 | | | | | | | | | | |