



# DWDM X2

## KEY FEATURES AND BENEFITS

Champion ONE's standards-based solutions offer cost effective fiber deployments. Our DWDM X2 products are available in 40 standard ITU DWDM channels (channels 20-61[1528.77-1561.42 nm]). Our DWDM X2s support 10G Ethernet and are available in the standard 80km-rated ZR distance offering. DWDM X2 transceivers also feature digital diagnostics, also known as digital optical monitoring (DOM), which is supported by the majority of switch and router OEMs in their operating system software.

## TECHNICAL SPECIFICATIONS

### STANDARDS AND REGULATORY COMPLIANCE

- RoHS compliant
- IEEE Std 802.3ae
- X2 MSA (multi-source agreement)

### PROTOCOLS AND DATA RATES

Product line supports the following protocols and data rates:  
10G Ethernet

### CONNECTOR

Duplex SC connector

### WARRANTY

All feature a limited 5-year warranty

### NOTES

Available in standard temperature (0 to 70C)

| C1 PN               | Transmit Wavelength (nm)             | Fiber Type | Rated Distance (km) | Temp Range (°C) | Hardened Option Available? | Description   | Output Power (min/max) (dBm) | Receiver Sensitivity (dBm) | Max. Input Power (dBm) |
|---------------------|--------------------------------------|------------|---------------------|-----------------|----------------------------|---|------------------------------|----------------------------|------------------------|
| <b>10G Ethernet</b> |                                      |            |                     |                 |                            |   |                              |                            |                        |
| 10GX2Exx00DWDM80    | 1528.77 (ch. 61) to 1561.42 (ch. 20) | SMF        | 80                  | 0 to 70         | No                         | 10GBase-ZR DWDM X2 channel xx (ITU channel), 80km rated | -1 to 3                      | -24                        | -7                     |

| Supported Wavelengths/Channels | Wavelength | ITU Channel | Wavelength | ITU Channel | Wavelength | ITU Channel | Wavelength | ITU Channel |
|--------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                                | 1561.42    | 20          | 1552.52    | 31          | 1543.73    | 42          | 1535.04    | 53          |
|                                | 1560.61    | 21          | 1551.72    | 32          | 1542.94    | 43          | 1534.25    | 54          |
|                                | 1559.79    | 22          | 1550.92    | 33          | 1542.14    | 44          | 1533.47    | 55          |
|                                | 1558.98    | 23          | 1550.12    | 34          | 1541.35    | 45          | 1532.68    | 56          |
|                                | 1558.17    | 24          | 1549.32    | 35          | 1540.56    | 46          | 1531.90    | 57          |
|                                | 1557.36    | 25          | 1548.51    | 36          | 1539.77    | 47          | 1531.12    | 58          |
|                                | 1556.55    | 26          | 1547.72    | 37          | 1538.98    | 48          | 1530.33    | 59          |
|                                | 1555.75    | 27          | 1546.92    | 38          | 1538.19    | 49          | 1529.55    | 60          |
|                                | 1554.94    | 28          | 1546.12    | 39          | 1537.40    | 50          | 1528.77    | 61          |
|                                | 1554.13    | 29          | 1545.32    | 40          | 1536.61    | 51          |            |             |
| 1553.33                        | 30         | 1544.53     | 41         | 1535.82     | 52         |             |            |             |

## SERVICE AND SUPPORT

Running a network or selling network services and products can be a highly competitive endeavor. To help differentiate your business and enable you to provide more cost effective infrastructure, you require a partner that provides competitive pricing and vertical market expertise. At Champion ONE we understand your needs. We leverage our skills and relationships to:

- Provide network design services and help you explore alternative network designs you may not have considered
- Provide technical and sales support when you need it
- Accept orders for same day shipment up to 5:00 PM EST
- Offer some of the longest warranties in the industry
- Offer a 30-day return policy
- Build a long- term supplier partnership with you

You can rely on Champion ONE, not only for the highest levels of availability for the products you need, but the technical support, customer service and cost consideration you deserve. Our goal is your complete satisfaction.

### GLOBAL HEADQUARTERS

Champion ONE  
 23645 Mercantile Road, Suite A  
 Beachwood, OH 44122  
 Phone: 800-860-7466  
 Fax: 216-831-2541  
 e-mail: sales@championone.net  
[www.championone.net](http://www.championone.net)

Champion ONE and the Champion ONE logo, are registered trademarks of Champion Optical Network Engineering, LLC. All other trademarks, service marks, registered marks, or registered service marks are the property of their respective owners. Champion ONE assumes no responsibility for any inaccuracies in this document. Champion ONE reserves the right to change, alter, or otherwise revise this document without notice..