



# CWDM GBIC

## KEY FEATURES AND BENEFITS

Take your network farther with Champion ONE's GBIC CWDM components, which offer direct replacement for OEM optics. This allows the use of fiber-conserving WDM solutions in standard switches and routers, eliminating the need for a separate optical transport device. Our CWDM GBICs are typically available in 8 standard ITU CWDM, ranging from 1470 to 1610 nm, in 20nm spacings.

Champion ONE CWDM GBICs are available in single-rate (Gigabit Ethernet) as well as multi-rate versions, which operate between 125Mbps and 2.7Gbps.

CWDM GBIC 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 802.3 (Gigabit Ethernet 802.3z,802.3ah, FastE 802.3u)
- Fibre Channel Draft Physical Interface Specification FC-PI-2
- Compliant with SONET/SDH optical standards
- GBIC MSA (multi-source agreement)

### PROTOCOLS AND DATA RATES

- Fast Ethernet (125Mbps)
- SONET OC-3 (155Mbps)
- SONET OC-12 (622Mbps)
- Gigabit Ethernet (1.25Gbps)
- 1G and 2G Fibre Channel
- SONET OC-48 (2.488Gbps)

### CONNECTOR

Duplex SC connector

### WARRANTY

All feature a limited 5-year warranty

### NOTES

Available in standard and 'hardened' temperature

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>Multi-rate capable<sup>1</sup> (SONET OC-48/OC-12/OC-3, 1G and 2G Fibre Channel, Gigabit and Fast Ethernet<sup>2</sup>)</b>									
2500X1xx0CWDM80	1470 to 1610	SMF	80	0 to 70	Yes	Multirate CWDM GBIC, 1xx0nm, 80km rated	1 to 5	-28	-7
<b>Gigabit Ethernet, 1G Fibre Channel</b>									
1000X1xx0CWDM80	1470 to 1610	SMF	80	0 to 70	No	80km Gigabit Ethernet CWDM GBIC, 1xx0nm	1 to 5	-30	-7

## Notes:

1. Multi-rate transceivers will not operate in all platforms at all data rates listed. Contact your account representative for platform-specific questions.
2. Fast Ethernet Compatible. Tested to Bellcore GR-253 and ITU-T G.957 Specifications for SONET OC-3/SDH STM-1 applications.

## 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

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