



8 CHANNEL 100G PAM4 OPEN LINE SYSTEM

UP TO 100KM

PRODUCT OVERVIEW

Champion ONE's 100G active DWDM open line system is a complete DWDM line system for long-distance, high-bandwidth applications. It provides all of the optical grooming necessary for transmission of up to 8 DWDM PAM4 channels over distances up to 100km, while maintaining the simplicity of zero-touch provisioning.

KEY FEATURES AND BENEFITS

- Optional Zero-Touch Provisioning
- Supports up to 8 PAM4 QSFP28 channels
- Optional tunable dispersion compensation module
- Optional link distance measurement and fault location with OTDR
- Optional remote monitoring of far end unit
- Performance Monitoring to track max/min/average of key parameters on 15min/daily/weekly basis
- CLI, Web GUI interface, SNMP v2/v3
- Redundant power supplies with hitless swap

HARDWARE SPECIFICATIONS

| Parameter | 8 Channel Open Line System |
|--|--|
| DWDM Channel Count | 8 |
| DWDM Channel Wavelengths (min/max, THz) | 193.3 / 194.0 (ITU ch. 33 / 40) |
| Average Input Power per Wavelength (min/max, dB) | -11 / -8 |
| Tx Launch Power/Wavelength (max, dB) | 3.0 |
| Link Loss Budget (min/max, dB) | 0 / 20 |
| Output OSNR (min, dB) | 31.5 |
| Output Power/Wavelength (min/max, dB) | -2.0 / 6.0 |
| Input Voltage Range (min/max, VAC) | 90 / 264 |
| Input Frequency Range (min/max, Hz) | 47 / 63 |
| Current Consumption @100-127 VAC (A) | 3 |
| Power Consumption (W) | 45 |
| Operating Temperature (min/max, °C) | 0 / 40 |
| Storage Temperature (min/max, °C) | -40 / 70 |
| Operating Humidity (min/max, %) | 5 / 95 |
| Dimensions (LxWxH, mm) | 559.6 x 427.7 x 44.25 |
| Faceplate Dimensions (WxH, mm) | 482.6 x 44.25 |
| Serial User Interface | 115200/8/N/1 |
| Ethernet User Interface | 10/100Mbps |
| Software Interface | CLI Web Craft Terminal SNMP v2 or v3 |
| Optical Performance Metrics | EDFA booster amplifier operating parameters VOA settings Dispersion compensation settings EDFA pre-amplifier operating parameters |

ORDERING INFORMATION

| C1 Part Number | Description |
|---------------------|--|
| ZAD-8-TDF-100-F-X-P | 8ch Active DWDM Open Line System, 40-100km, Power Supply sold separately |
| ZAD-8-TDC-60-F-X-P | 8ch Active DWDM Open Line System, 0-60km, Power Supply sold separately |
| ZAD-8-X-X-X-AC-X | AC Power Supply for 8 ch Open Line System (required) |
| ZAD-8-X-X-X-DC-X | DC Power Supply for 8 ch Open Line System (required) |
| ZAD-8-X-X-X-RLS-X | Slide Rails for 8 ch Open Line System |

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 3:00 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.

THE CHAMPION ONE COMMITMENT



For over 25 years, we at Champion ONE have been delivering great value to our customers through high-quality products at competitive prices. As one of the leading suppliers of compatible optical transceivers and a major supplier of optical networking solutions, we take great pride in building long-term relationships as a trusted partner. In this spirit, everything we bring to market bears the Champion ONE Shield™, which strengthens this trust through five core promises: Performance, Availability, Compatibility, Protection, and Value.

GLOBAL HEADQUARTERS

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