

Brocade XBR-000475 Datasheet



Brocade XBR-000475 4x32G FC QSFP+ SWL Transceiver Module, 1-pack 57-1000490-01

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The Brocade 4×32Gb/s SWL QSFP+ modules support highly reliable operations in data-center fabrics and are optimized for Brocade switching platforms. They undergo rigorous qualification and certification testing that results in an end-to-end solution that is easier to maintain—helping to improve the availability of data-center fabrics that support mission-critical applications.

The Brocade® 4×32Gb/s Short Wavelength (SWL) Quad Small Form-Factor Pluggable (QSFP+) transceivers, part of the Brocade family of optical transceivers, are optimized for Brocade switches. These optical transceivers provide state-of-the-art performance, helping IT organizations achieve new levels of infrastructure consolidation while expanding the capabilities of their applications and services.

The Brocade 4×32Gb/s SWL QSFP+ modules are hot-swappable, low voltage (3.3V) digital diagnostic optical transceivers that support highspeed serial links over multimode optical fiber at signalling rates up to 4×28.05Gb/s. They comply with the 128GFC Fibre Channel standard (FCPI-6P) and QSFP MSA mechanical specification (SFF-8661).

Features

- Provides high system reliability through a rigorous qualification and certification process.
- Eliminates issues related to transceiver incompatibility, reducing downtime and support costs.
- Provides support for 32Gb/s and 16Gb/s inter-switch links (ISLs), inter-chassis links (ICLs), and device connectivity

- 850-nm multimode VCSEL transmitter
- Diagnostic features per SFF-8472, Diagnostic Monitoring Interface for Optical Transceivers, providing real-time monitoring of the following:
 - Transmitted optical power
 - Received optical power
 - Laser bias current
 - Temperature
 - Supply voltage
- Industry-standard MPO 1×12 ribbon cable connector
- 100m link length on OM4, OM4+, and OM5 fiber; 70m link length on OM3 fiber (these distances assume 1.0-dBm connector loss)
- Support for the breakout to 4x32Gb/s SWL connectivity
- IEC 60825-1 Class 1/CDRH Class 1 laser, eye-safe
- Compliance with the Restriction on Hazardous Substances (RoHS) directive

Specifications

- Data Speed: FC 4x16Gb/4x32Gb
- Center Wavelength: 850nm
- Fiber Type: Multimode
- Transmission: 70M OM3, 100M OM4
- Connector: Dual LC
- Lasers: VSCEL + PIN
- Tx power: -8.5 to +2.4 dBm
- Rx sensitivity: -10.4 - 2.4 dBm max
- Extinction Ratio: 3 dB
- Power Consumption: 2.5 W
- Single Power Supply: 3.3 v

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