

# Brocade XBR-000478 Datasheet



Brocade XBR-000478 32G FC SFP+ ELWL 25km Transceiver Module, 1-pack 57-1000494-01

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The Brocade 32G Extended Long Wavelength (ELWL) 25 km SFP+, part of the Brocade family of small form-factor pluggable (SFP) optical transceivers, is optimized to fully leverage Brocade 32G switch and director products. Brocade ELWL SFPs extend native Fibre Channel connectivity over distance, enabling high-performance disaster recovery and business continuity solutions.

This Brocade XBR-000478 is designed for 32G FC over a link of up to 25KM, supported by the latest Gen7 Brocade G720, G730 SAN switches & FC64-48 and FC32-X7-48 etc X7 blade modules.

## Features

- Hot-swappable, low-voltage (3.3V) digital diagnostic optical transceivers that support highspeed serial links over single-mode optical fiber at signalling rates up to 28.05Gb/s
- 1310-nm DFB laser
- FC-PI-6 compliance for 28.05/14.025/8.5Gb/s operation
- 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 LC duplex connector
- 25-km link lengths on 9- $\mu$ m singlemode fiber (with a 10-km minimum link length)
- IEC 60825-1 Class 1/CDRH Class 1 laser, eye-safe
- Compliance with the Restriction on Hazardous Substances (RoHS) directive
- Provides high system reliability through rigorous qualification and certification processes
- Leverages unique design parameters to provide the highest performance with industry-leading Brocade switch and director platforms to support business continuity and disaster recovery.
- Helps eliminate issues related to SFP incompatibility, reducing downtime and support costs.
- Helps eliminate issues resulting from unexpected design changes, providing ongoing end-to-end compatibility.
- Optimizes connectivity with Brocade platforms to enable maximum cable distance.
- Extends Fibre Channel connectivity over distance in enterprise environments, enabling high performance business continuity and disaster recovery solutions.

## Specifications

- Data Speed: FC 4G 8G 16G 32G
- Center Wavelength: 1310nm
- Fiber Type: Singlemode
- Transmission: 25KM SMF
- Connector: Dual LC
- Lasers: DFB + PIN
- Tx power: +2.0 - +7.0 dBm
- Rx sensitivity: 2 dBm max
- Extinction Ratio: 2 dB
- Power Consumption: 1.5 W
- Single Power Supply: 3.3 v

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