

Brocade XBR-40G-SR-BIDI-0287 Datasheet



Brocade XBR-40G-SR-BIDI-0287 40GbE BiDi Ethernet QSFP+ Transceiver Module 57-1000339-01

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The Brocade QSFP 40-Gbps BiDirectional (BiDi) transceiver is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and interconnect applications using MultiMode Fiber (MMF). The Brocade QSFP 40-Gbps BiDi transceiver offers customers a compelling solution that enables reuse of their existing 10 gigabit duplex MMF infrastructure for migration to 40 Gigabit Ethernet connectivity.

The Brocade BiDi transceiver complies with the QSFP MSA specification, enabling customers to use it on all QSFP 40-Gbps platforms to achieve high-density 40 Gigabit Ethernet networks.

Each Brocade QSFP 40-Gbps BiDi transceiver consists of two 20-Gbps transmit and receive channels in the 832-918 nanometer wavelength range, enabling an aggregated 40-Gbps link over a two-strand multimode fiber connection.

Features

- 40 GbE transceivers support link lengths up to 100 m
- Hot-pluggable
- Industry-standard QSFP+
- Digital Optical Monitoring (DOM) support
- High-density 40 GbE connectivity options for data center, enterprise, and service provider applications

Optics supported for both stacking and regular data links.

- 1 40 GbE ports on the Brocade ICX 6610 are supported for stacking only.
- 2 For more information, see the Brocade VDX Transceiver Support Matrix.

Applications

- Brocade VDX 6740/6940/8770 Switches
- Brocade MLXe Series
- Brocade SLX Series SLX 9850 SLX 9540 SLX 9240 SLX 9140

Ordering Part Number

- XBR-40G-SR-BIDI-0287

Specifications

- Performance: 40Gb/s line speed, full duplex
- Media: Hot-pluggable, industry-standard QSFP, LC connector
- Operating Parameters
 - Transmit (Tx):
 - Wavelength: 832 nm to 918nm
 - Average power: -4.0 dBm to +5.0dBm per channel
 - Receive (Rx):
 - Wavelength: 832 nm to 918nm
 - Unstressed sensitivity: ≥ 6 dBm
- Size
 - Width: 18.35 mm (0.72 in.)
 - Height: 13.25 mm (0.52 in.)
 - Depth: 71.0 mm (2.79 in.)
- Storage Temperature: $\geq 40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$ ($\geq 40^{\circ}\text{F}$ to $+185^{\circ}\text{F}$)

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