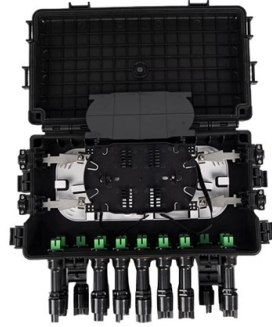


Namibian Laser Diode QSFP-DD



Overview

The 400G QSFP-DD ZR+ is designed to 100G/200G long haul and 300G/400G Metro IP over DWDM applications without inline chromatic dispersion compensation. 400G DP-16QAM modulation format. With one VOA inside the TX optical path the out output optical power has 4dB attenuation window. QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. 3), where RS is the receiver sensitivity, and SECQ is the SECQ of the transmitter used to measure the receiver. The InnoLight's 400G QSFP-DD is on of the first 400G optical transceiver on the market and it allows to communicate up to 2km in PSM4. The InnoLight solution is based on the INPHI chipset, the IN010C50 PAM4 DSP, the four GaAs laser driver dies, and a TIA die, all designed by INPHI. The transceivers. InnoLight 100G OpenZR+ QSFP-DD product family is designed based on dual polarization quadrature phase shift keying (DP-QPSK), supporting extended C-band, polarization diversity coherent detection and advanced electronic link equalization. Please refer to the respective datasheets for more techn Rx sensitivity. Dispersion/path penalties not ta.



Article Content

May 21, 2026

Unlocking the Future of Connectivity: Understanding

Discover the future of connectivity with QSFP-DD transceivers. Learn how this compact, high-density interface enhances 200G/400G interconnect

May 20, 2026

400GBASE-DR4 QSFP-DD 1310nm 500m Silicon Photonics

400G QSFP-DD transceiver module is individually tested on corresponding equipment such as Cisco, Arista, Juniper, Dell, Brocade and other brands, and passes the monitoring of FS intelligent

Sep 17, 2025

QSFP-DD Fibre Optic Transceiver Technology Overview

The QSFP-DD (Quad Small Form-factor Pluggable – Double Density) form-factor is used for 200G, 400G and 800G applications and is backward compatible with

Sep 02, 2025

400G QSFP-DD Transceivers: Technology Overview

Explore the technology behind 400 G QSFP-DD transceivers, including form factor, modulation, optical lanes, and thermal design.

Feb 01, 2026

Patton FiberPlex QSFX28

FiberPlex QSFX-100DD 100 Gigabit QSFP Data Diode Module for Uni-Directional Cyber Security This unique QSFP Data Diode SFP Module offers uni-directional 100 Gig Speeds using 100GBASE-LR4

Oct 15, 2025

QSFP-DD Optical Transceivers for High-Speed

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and

Jun 19, 2026

100G/400G QSFP-DD DCO-Product Solutions-INNOLIGHT

The product family supports 100/400Gbps transmission speeds in an industry-standard, pluggable QSFP-DD form factor with 7nm DSP and can be widely used in metro carrier, access and Cloud/DCI

Sep 24, 2025

NADDOD 400G QSFP-DD Coherent Modules: A Deep

NADDOD's 400G QSFP-DD Coherent Modules provide a compact, pluggable form factor that offers open, flexible, and interoperable solutions.

Sep 04, 2025

Comprehensive Guide to QSFP – MapYourTech

Pin Configuration and Functions QSFP modules utilize a high-density card-edge connector providing both high-speed differential data lanes and low

Apr 18, 2026

TE Connectivity

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Feb 07, 2026

Cisco 400G QSFP-DD High-Power (Bright) Optical

The Cisco 400G QSFP-DD High-Power (Bright) Optical module multirate Ethernet/OTN variant shares the same HW platform (and so also the high Tx

Feb 14, 2026

QSFP-DD-Metro and Long Haul Optical Networking

The product supports 100Gbps transmission speeds in an industry-standard, pluggable QSFP-DD form factor with 7nm DSP and can be widely used in metro

Jul 01, 2025

QBP13P50E0PF / QSFP-DD / 400GBase-DR4

QSFP-DD - 400GBase-DR4 QBP13P50E0PF - QBP13P50E0PF is a high performance QSFP-DD transceiver module for 400 Gigabit Ethernet data links over four single mode fibre pairs (ribbon fibre).

May 12, 2026

InnoLight's QSFP-DD Optical Transceiver

This report is an exhaustive analysis of the InnoLight 400G QSFP-DD optical transceiver, including a full analysis of the laser die, photodiode die, the TIA circuit, GaAs laser driver circuit, the PAM4 DSP

Sep 08, 2025

QSFP-DD Optical Module Overview: What is the differ?

This article will introduce the next generation optical module in detail, QSFP-DD, also known as quad small factor pluggable, and this article will also

Jan 28, 2026

400G Digital Coherent QSFP-DD DWDM Optics Transceivers

400G Digital Coherent QSFP-DD DWDM transceivers, ZR, ZR+ & ZR+ Pro variants, compatible with Cisco, Juniper, Nokia & Arista. Built for high-speed DCI & long-haul transmissions up to 120 km,

Jul 04, 2025

QSFP-DD High-Power (Bright) DCO 400G DWDM

The 400G QSFP-DD ZR+ Pro is a C-Band optical frequency tunable coherent optical module, that combines 7nm coherent DSP ASIC functionality with best-in-class

Jul 02, 2025

Cisco 400G QSFP-DD High-Power (Bright) Optical Module

Product overview Cisco is now expanding the range of 400G Digital Coherent QSFP-DD transceivers, introducing High Tx Power variants (+1dBm of Tx Power). Thanks to the miniaturization of the

May 03, 2026

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and compatibility for modern networks

Jul 11, 2025

Power Supply method of QSFP-DD transceiver

State-of-the-art double line density (QSFP-DD) optical transceivers with quadruple bandwidth, small geometry, and pluggable capabilities have eight

Jan 04, 2026

400G OSFP/QSFP-DD/QSFP112 Module Introduction and Selection

This article explores the technical characteristics, product lineup, and use cases of 400G OSFP/QSFP-DD/QSFP112 modules to choose the most suitable 400G solution for your data centers.

Feb 24, 2026

What is QSFP-DD Transceiver: A Beginner Guide

QSFP-DD transceiver is becoming increasingly popular in data center applications nowadays. In this beginner's guide, we will take a closer look at the

Nov 11, 2025

400Gb/s QSFP-DD ZR+ Coherent Optical Transceiver

The 400G QSFP-DD ZR+ is a C-Band optical frequency tunable coherent optical module, combines 7nm coherent DSP ASIC functionality with best in class ultra-narrow line-width tunable

Mar 30, 2026

400GBASE-DR4 QSFP-DD 1310nm 500m Silicon Photonics

QSFP-DD uses common ground (GND) for all signals and supply (power). All are common within the QSFP-DD module and all module voltages are referenced to this potential unless otherwise noted.

Jun 15, 2026

All About QSFP Cables, Connectors, and More

Production plans are in place for 800G OSFP and QSFP DD cable assemblies, giving Amphenol an advantage over the competition when it comes

May 07, 2026

QSFP-DD Hardware

QSFP-DD/QSFP-DD800 modules should be isolated from the module's circuit ground, GND, to provide the equipment designer flexibility regarding connections between external electromagnetic

Jul 15, 2025

QSFP-DD OVERVIEW

OVERVIEW The tables below list the QSFP-DD transceivers currently provided in the Smartoptics portfolio and with the most characteristic parameters. Please refer to the respective datasheets for

Contact Us

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