

Warranty for OSFP optical modules QSFP-DD



Overview

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent Optics ModulesThe Cisco 800G QSFP-DD coherent optics modules are mechanically compliant with the QSFP-DD Multi.

Key Takeaways

OSFP and QSFP-DD optical modules typically come with a limited manufacturer warranty, often ranging from 1 to 5 years, covering defects in materials and workmanship under normal use.General Warranty Coverage

Most high-speed optical modules, including OSFP and QSFP-DD 800G modules, are covered by a limited warranty provided by the manufacturer. This warranty generally includes:

- Defects in materials or workmanship: The manufacturer will repair or replace modules that fail due to manufacturing defects.
- Compliance with specifications: Modules are warranted to meet the stated optical, electrical, and mechanical specifications, including standards such as IEEE 802.3ck, OSFP MSA, QSFP-DD MSA, and CMIS Rev 5.0 .



- Digital Diagnostics Monitoring (DDM/DOM): Warranty may cover failures in monitoring functions that affect module performance .

Typical Duration

- Cisco OSFP/QSFP-DD modules: Cisco generally provides a 1-year limited warranty for optical transceivers, with options for extended support contracts for longer coverage .

- FS Optical Modules: FS 800G OSFP/QSFP-DD modules usually come with a 1-year warranty, with replacement or repair for defective units within that period .

- Other Vendors: Many vendors, including TE Connectivity and Connlight, offer warranties ranging from 1 to 3 years, depending on the product line and purchase agreement .

Warranty Limitations

- Improper use or installation: Damage caused by incorrect handling, installation, or operation outside the specified environmental conditions is typically not covered.

- Physical damage: Breakage of connectors, fiber, or module casing due to mishandling is excluded.

- Third-party modifications: Modules altered or repaired by unauthorized parties may void the warranty.

Best Practices

- Register products: Some vendors require registration to validate warranty coverage.

- Keep purchase records: Retain invoices and serial numbers for warranty claims.

- Follow MSA standards: Ensuring modules are used in compliance with OSFP/QSFP-DD MSA and IEEE standards helps maintain warranty eligibility . In summary, OSFP and QSFP-DD optical modules are generally backed by a limited manufacturer warranty of 1–5 years, covering defects and compliance with specifications, while excluding damage from misuse or unauthorized modifications. For precise terms, it is recommended to consult the specific vendor's warranty documentation at the time of purchase.

Article Content

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The Cisco 800G QSFP-DD coherent optics modules are mechanically compliant with the QSFP-DD Multi-Source Agreement (MSA),

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

The Cisco 800G QSFP-DD coherent optics modules are

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each

800G OSFP/QSFP-DD Cable and Transceiver Modules Data Sheet

The 800GBASE-DR8 OSFP Optical Transceiver Module is designed for 800GBASE Ethernet throughput up to 500m

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand

SFP MSA Standards: Technical Guide for Optical Modules

Emerging MSAs like QSFP-DD and OSFP prepare networks for 800G+ Ethernet and AI workloads. Compliance with MSA

800G QSFP-DD Digital Coherent Optics Transceiver

The 800G Digital Coherent Optics (DCO) family of transceivers are available in two small form-factors, QSFP-DD and OSFP, which

800G OSFP & QSFP-DD Transceiver Module Installation Notes | FS

After removing the optical fibers, protect them by inserting a clean dust cover on the pluggable module. Make sure to clean the

OSFP vs QSFP-DD Comparison | 800G Optical Module Form Factors

Detailed analysis of OSFP and QSFP-DD form factors for 800G optical modules. Compare specifications, thermal

NVIDIA Optical Modules: QSFP-DD/OSFP 800G

Explore NVIDIA's advanced optical module solutions featuring QSFP-DD and OSFP form

800G Optical Transceiver Overview: QSFP-DD and OSFP Packages

This article provides an overview of 800G optical transceivers, focusing on the QSFP-DD and OSFP packages.

How to choose between 800G optical-mode QSFP-DD and OSFP

800G OSFP Form Factor: The OSFP is a new type of optical module, much smaller than the CFP8 but slightly larger

NVIDIA Optical Modules: QSFP-DD vs OSFP Technical Comparison

Comprehensive technical analysis of NVIDIA 800G optical modules comparing QSFP-DD and OSFP form factors.

QSFP-DD Transceiver Guide 2026: Complete

The QSFP-DD transceiver serves as an optical module which provides 400G and 800G

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

The 800G QSFP-DD and OSFP coherent optics expand Cisco Routed Optical Networking

Extreme Networks Optical Modules: QSFP-DD & OSFP

Explore Extreme Networks optical modules featuring QSFP-DD and OSFP solutions with

Difference between 800G optical modules QSFP-DD and OSFP

3) Compatibility, QSFP-DD is perfectly compatible with QSFP28 and QSFP+, while OSFP is not. At present, the mass

NVIDIA Optical Modules: QSFP-DD/OSFP 800G Deployment Trends ...

Comprehensive analysis of NVIDIA optical module deployment trends focusing on QSFP-DD and OSFP 800G

Understanding Optical Transceiver Types: SFP, SFP+, QSFP28, QSFP-DD ...

Confused by SFP, QSFP28, QSFP-DD or OSFP? Learn the differences between the most common optical transceiver

400ZR DCI Solution

Arista's OSFP and QSFP-DD 400ZR optical transceivers are Digital Coherent Optical (DCO) modules fully compliant with the OIF

Complete QSFP-DD Compatibility Guide for Data Centers

Complete QSFP-DD compatibility guide with switch matrix, firmware requirements, and MSA compliance. Verify

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800G Optical Module Packaging Revealed: OSFP and QSFP-DD

In 2024, the global optical module market is expected to exceed US\$20 billion, of which 800G modules will account for

QSFP-DD Hardware

August 7, 2020 Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies,

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

The explosive growth of global data volume has placed higher demands on the bandwidth and performance of data

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent Optics Modules

The 800G QSFP-DD and OSFP coherent optics expand Cisco Routed Optical Networking applications to include 800G links. The

QSFP-DD Optical Transceivers for High-Speed Connections

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

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800G Optical Module: osfp vs qsfp-dd

Nowadays, 400G optical modules are widely used, but 800G optical module technology has also been slowly used in

OSFP vs QSFP-DD vs QSFP112 – Choosing the Best Optical Module

Compare OSFP, QSFP-DD, and QSFP112 transceivers. Learn key differences, speed, compatibility, and power design

QSFP-DD vs OSFP vs QSFP112: Which 400G Module Packaging

400G optical module packaging comparison: Choose QSFP-DD, OSFP, or QSFP112 for data center, AI, or HPC based on

800G Optical Modules: A Detailed Comparison of QSFP-DD and OSFP

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QSFP-DD Transceiver Guide 2026: Complete 400G/800G Deployment

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The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor. (See

OSFP MSA Rev 5

This specification is provided "AS IS" with no warranties whatsoever, including any warranty of merchantability, non-infringement,

400G/800G OSFP to 400G/800G QSFP-DD Adapter (ODA) Module

Every module is qualified through rigorous procedures and advanced equipment to ensure high-quality and reliable optical devices

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