

## Article Overview

SFP modules generally come with manufacturer warranties, while OSFP modules are typically provided "as is" without warranty from the MSA itself.

## SFP Optical Modules

SFP (Small Form-Factor Pluggable) modules, including SFP+, SFP28, and other variants, are widely used in enterprise, data center, and access networks. Most commercial vendors, such as LINK-PP and FLEXOPTIX, provide manufacturer warranties covering defects in materials and workmanship for a defined period, often ranging from one to three years depending on the vendor and product line. These warranties typically include:

- o Replacement or repair of defective modules.
- o Coverage for multi-vendor compatibility issues if the module is used according to specifications.
- o Support for Digital Diagnostics Monitoring (DDM) and optical performance within specified temperature and power ranges . It is important to note that warranty terms can vary by vendor, and some vendors may offer extended support or service contracts for high-volume deployments .

## OSFP Optical Modules

OSFP (Octal Small Form-Factor Pluggable) modules, including OSFP-XD, are designed for high-speed applications such as 400G and 800G links. The OSFP MSA itself does not provide any warranty for modules or related products; all information is provided "as is" without express or implied warranties, including merchantability or fitness for a particular purpose . However, individual manufacturers of OSFP modules, such as Cisco, may provide their own warranties for OSFP products. For example, Cisco's 800G OSFP modules are mechanically compliant with the OSFP MSA and are sold with standard Cisco product warranties, which typically cover defects and performance issues under normal use . Users should always check the specific vendor's warranty documentation for coverage details.

## Key Considerations

- o MSA Compliance vs Warranty: Compliance with SFP, QSFP, or OSFP MSA standards ensures interoperability but does not guarantee warranty coverage. Warranty is vendor-specific.
- o Vendor Selection: Choosing reputable vendors with clear warranty policies ensures support for replacements and technical issues.
- o Deployment Environment: Warranty coverage may be voided if modules are used outside specified temperature, power, or optical parameters. In summary, SFP modules usually come with manufacturer warranties, while OSFP modules rely on vendor-specific warranties, as the OSFP MSA itself does not provide any warranty. Always verify warranty terms with the manufacturer before deployment to ensure coverage for



# Warranty for OSFP optical modules OSFP

your network environment.

The Cisco 800G QSFP-DD coherent optics modules are mechanically compliant with the QSFP-DD Multi-Source

Picking an OSFP module for sale today means investing in a piece of the future, where connectivity is seamless and

OEM-compatible optical transceivers from 1G to 800G--SFP, SFP28, QSFP28, QSFP-DD & OSFP. MSA-compliant, TAA-certified,

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal

"The OSFP 4.0 specification offers customers compatibility with existing fiber connectors and a broad choice of

A: No, due to mechanical and electrical differences, OSFP modules are not compatible with OSFP-XD ports, and vice-versa.

OSFP is engineered to deliver superior data transfer and ensure seamless communication across infrastructure.

A Type 3 OSFP module provides a maximum of 3.6mm of additional height in the front compared to a Type 2 module. Type 2 and

The OSFP standard marks a pivotal step toward scalable 400G and 800G optical networking, designed from the

7.7.1 Duplex LC Optical Interface Figure 51 shows channel orientation of the optical connector when a duplex LC connector as in IEC

The OSFP module contains a PCB with contact pads (i.e., module PC board; paddle card) that mate with a connector as specified in

The OSFP 800G transceiver modules are Cisco's new generation of pluggable transceiver modules based on the

OSFP (Octal Small Formfactor Pluggable) is a high-speed optical module packaging technology designed to meet the



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Lifetime warranty for repair. 30-Day Money-back Guarantee. Best Price Guarantee. The module compliance board (MCB) enables

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

OSFP MSA Specification for OSFP OCTAL SMALL FORM FACTOR PLUGGABLE MODULE Rev 1.12  
August 1 st, 2017 Abstract:

Web: <https://in-au.co.za>

