



Overview

SFP/SFP+/QSFP28/QSFP-DD Transceivers | OEM From legacy 1G SFP uplinks to hyperscale 800G OSFP AI clusters, our modules are built on MSA standards and power.

Key Takeaways

Most 800G optical modules, including OSFP and QSFP-DD transceivers, typically come with a 1- to 5-year limited warranty depending on the manufacturer and purchase channel.

Typical Warranty Coverage

Manufacturers like Cisco, Huawei, FS, and Carriotech generally provide a limited warranty for their 800G optical modules, covering defects in materials and workmanship under normal use. Key points include:

- Duration:** Warranties usually range from 1 year to 5 years, depending on the vendor and whether the module is purchased directly from the manufacturer or through an authorized reseller.
- Replacement Policy:** Defective modules are typically replaced free of charge within the warranty period.

Some vendors may offer advanced replacement for critical network deployments. Conditions: Warranty coverage generally applies only if the module is used in compliant equipment and environments, such as operating within specified temperature ranges (e.g., 0°C to 70°C for commercial modules) and using compatible fiber types (single-mode or multi-mode) and connectors (MPO/MTP) as specified in the datasheet. Exclusions: Damage caused by improper installation, physical abuse, electrical surges, or use outside the specified operating conditions is usually not covered.

Manufacturer-

Specific Notes

Cisco OSFP 800G modules: Certified and tested on Cisco OSFP ports for reliability, typically backed by Cisco's standard transceiver warranty, which is often 1 year for hardware defects. Huawei OSFP-800G modules: Covered under Huawei's limited warranty for pluggable optical modules; duration may vary by region and purchase channel.

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S 800G OSFP/QSFP-DD modules: Offer warranty support for defective units, often 1 year, with digital diagnostics monitoring (DDM) ensuring operational compliance. Carritech 800G OSFP SR8 modules: Include warranty coverage for manufacturing defects and support for real-time diagnostics, typically 1 year. Swedish Telecom Opto 800G-DR4 modules: Warranty details are available upon request, usually aligned with industry standards for high-speed optical transceivers.

Recommendations

Check the vendor's datasheet or purchase agreement for exact warranty terms. Keep proof of purchase to ensure warranty eligibility. Use modules in recommended environments to avoid voiding the warranty.

For critical deployments, consider extended warranty or support contracts offered by the manufacturer or authorized resellers. In summary, while the exact warranty period may vary, most 800G optical modules are covered by a limited warranty of 1-5 years, protecting against manufacturing defects and ensuring replacement if the module fails under normal operating conditions.

Article Content

SFP/SFP+/QSFP28/QSFP-DD Transceivers | OEM

From legacy 1G SFP uplinks to hyperscale 800G OSFP AI clusters, our modules are built on MSA standards and powered by top-tier DSP chips (Broadcom/Inphi).

Cisco OSFP 800G Transceiver Modules Data Sheet

The Cisco® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x 100GE connectivity options, complying with the Octal Small Form Factor Pluggable (OSFP)

800G OSFP/QSFP-DD | Transceiver Modules

The 800G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. Click to get your 800G transceiver

800G Transceivers | Lifetime Warranty | Carritech Optics

At Carritech Optics, we stock and supply OEM compatible 800G transceivers from our UK & Spanish warehouses. Lifetime Warranty included.

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

OEM-compatible optical transceivers from 1G to 800G—SFP, SFP28, QSFP28, QSFP-DD & OSFP. MSA-compliant, TAA-certified, lifetime warranty. Find your module today.

HTF DWDM equipment, OTN Solution, QSFP28 OSFP

HTFuture offers industry-leading fiber optic products and WDM system solutions with global recognition for excellence and innovation.

SFP+ Cables

Online shopping. w/24h-delivery, 7Days & Refund Guarantee. CE, RoHS and ISO9001 Certified. SFP+ Cables, QSFP+ Cables, MiniSAS Cables, XFP Cables, CX4 Cables and Fiber Optic Transceivers.

Understanding High-Speed Transceiver Tests | 100G & 400G Optical ...

Understanding High-Speed Transceiver Tests in Fiber Networks Why Comprehensive Testing Is Essential for Reliable 100G, 200G, 400G, and 800G Optical Networks As network speeds

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical Buyer's Guide

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Top Optical Modules for POTN Deployment: SFP, QSFP, and OSFP

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to multiply, choosing the right optical module becomes a crucial decision in

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

800G AEC, 800G OSFP to 800G QSFP-DD Active Electrical Cable,

The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and compliant with OSFP MSA and QSFP-DD MSA. 10Gtek 800G AEC is ideal for rack-to

Optical Transceiver Market Size, Growth Drivers

Optical Transceiver Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Optical Transceiver Market Report is

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, advancing at a compound annual

100G to 1.6T Optical Module PHY Product Selection Guide

100G to 1.6T Optical Module PHY Product Selection Guide Broadcom's Optical Module PHY portfolio spans multiple technology nodes — 16nm, 7nm and now 5nm, with data rates from 100 Gbs to 1.6

AI Drives Doubling of 800G Optical Transceiver Shipments in 2025

Furthermore, driven by escalating demands from AI technology, shipments of 800G optical transceivers are projected to grow by 100% year-over-year in 2025. The market will also see the initial shipments

Third-Party Optical Transceivers Market by Form Factor, Connector

To capture value, organizations should build multivendor sourcing strategies for 100G, 400G, and 800G optics while aligning module roadmaps with AI, cloud, edge, telecom, and enterprise

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

