

Fiber Ethernet Switch QSFP-DD Warranty



Overview

Cisco 400G QSFP-DD High-Power (Bright) Optical Module Data Sheet Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power.

Key Takeaways

Warranty coverage for QSFP-DD compatible Fiber Ethernet switches typically ranges from 1 to 5 years, depending on the vendor, with conditions tied to proper module compatibility and usage. General Warranty Overview

Most Fiber Ethernet switches supporting QSFP-DD modules come with a limited hardware warranty that covers defects in materials and workmanship. Standard warranty periods are usually 1-5 years, with some vendors offering extended or optional support contracts. Coverage generally includes:

- Replacement or repair of defective switch hardware
- Support for firmware or software issues related to switch operation
- Technical assistance for installation and troubleshooting

Compatibility Considerations

Warranty claims may be affected by module compatibility. QSFP-DD modules must be MSA-compliant and ideally certified by the switch vendor. Using third-party or non-certified modules can sometimes void warranty coverage if they cause damage or operational issues, as switches validate module EEPROMs for vendor ID, part number, and serial number, and unrecognized modules may be disabled or unsupported .

Power and Thermal Requirements

Modern QSFP-DD modules can consume 10–25W per port, depending on class. Switches not designed for higher power modules may shut down ports or fail to recognize transceivers, which could impact warranty claims if improper modules are used. Ensuring that the switch supports the correct power class and thermal design is essential for maintaining warranty validity.

Vendor-Specific Policies

- Cisco, Juniper, Arista, and Huawei typically provide 1–5 year hardware warranties with optional support contracts for faster replacement and technical support.
- Extended warranties or Next Business Day (NBD) replacement services are often available for enterprise deployments.
- Warranty may exclude damage caused by misuse, improper installation, or unsupported third-party modules.

Best Practices

- Verify QSFP-DD module compatibility with your switch using vendor matrices before deployment.
- Document serial numbers and purchase records to facilitate warranty claims.
- Follow vendor installation guidelines for power, cooling, and firmware updates.
- Consider extended support contracts for mission-critical environments to ensure rapid replacement and technical assistance. In summary, while QSFP-DD compatible switches generally have robust warranty coverage, adhering to vendor compatibility and installation guidelines is crucial to maintain warranty validity and ensure reliable operation.

Article Content

400G QSFP-DD Cable and Transceiver Modules Data Sheet

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Tripp Lite Eaton Series 400GBase-SR8 QSFP-DD Transceiver

This QSFP-DD transceiver allows you to connect a multimode fiber optic cable to a 400 Gbps network router, server or switch. It

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or

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QSFP-DD Hardware

The QSFP-DD specification is applicable to pluggable modules or direct attach cables based on multimode fiber, single mode fiber or

400G and 200G (50G-PAM4) and 100G (25G-NRZ) Cables and

Part List Using 50G-PAM4 Modulation for 400GbE Ethernet Only QSFP-DD • Click on the green bold underlined part numbers to

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