



Warranty for Enterprise-Grade 400G Optical Router

2. Service Response Level Definitions

Service Response Level definitions for Hardware Warranty Repair/Replacement: 4-hour or 8-hour Onsite - Repair/Replacement is performed by Dell Techn...

3. Software Download Availability

Includes all generally available software/OS releases offered for the specific products listed, when and if available for time specified. Customers...

4. End of Sale (EoS) and End of Standard Support (EoSS) Details

From time to time, Dell Technologies discontinues products, most often to replace them for systems with advanced feature sets. Dell Technologies ma...

5. Dell Technologies Networking Cables and Optics Guideline

Dell Technologies takes Cable and Optics (C&O) support with the level of focus and severity warranted as a key part of the Dell solution. If a cabl...

Article Overview

Standard OEM warranties for enterprise 400G optical routers typically cover 90 days to 1 year, with extended support contracts available to prolong coverage.

Standard Warranty Coverage

Most enterprise networking vendors provide limited hardware warranties that cover defects in materials and workmanship under normal use. For example, Juniper Networks offers a 1-year hardware warranty starting from the shipment date, with the option for replacement or repair of defective units. Software media is generally covered for 90 days under the same warranty terms, and coverage is limited to the original purchaser from an authorized reseller (Juniper Networks). Cisco provides similar coverage, with standard hardware warranties ranging from 90 days to 1 year, depending on the product family, and offers tools like the Warranty Finder to check specific product IDs. TP-Link's business-class products also follow a limited warranty model, covering defects for the original purchaser and excluding refurbished or second-hand units.

Extended Support Options

To extend warranty coverage beyond the standard period, vendors offer support contracts such as Cisco SmartNet, Juniper J-Care, or Arista A-Care. These contracts typically extend hardware and software support for additional years, often at 8-15% of the list price annually, and may include advanced replacement services, technical support, and firmware updates. Extended support is particularly valuable for high-cost 400G routers, ensuring minimal downtime and access to replacement parts.

Lifecycle Considerations



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Enterprise 400G optical routers are designed for modular upgrades and long-term operation, but their effective lifecycle is influenced by technology transitions, such as the move from 400G to 800G networks, and AI-driven infrastructure demands. While hardware may physically last 5-7 years or longer, OEM warranties typically cover only the first year, making extended support contracts essential for maintaining coverage throughout the operational lifecycle. Environmental factors like heat, dust, and power quality can also affect hardware longevity and warranty claims.

Key Takeaways

- o Standard warranty: 90 days (software) to 1 year (hardware) for defects under normal use.
- o Extended support: Optional contracts can prolong coverage and provide advanced replacement and technical support.
- o Lifecycle alignment: Warranties may not cover the full operational life of 400G routers; planning for extended support ensures protection during technology refresh cycles.
- o Eligibility: Coverage is generally limited to original purchasers and authorized resellers; refurbished or second-hand units may not qualify. For enterprise deployments, it is recommended to verify the specific warranty terms for your 400G router model and consider an extended support contract to align with expected operational and refresh cycles.

The optical market for 400G is being driven by cost and performance as OEMs try to dial into the sweet spot of hyperscale and cloud

This guide explains how to perform a TP-Link warranty check, what information you need, how warranty terms differ by product, and

For a detailed overview of the ordering process, please visit the Cisco 8500 Series Secure Routers Ordering Guide.

The Definitive 400G Optical Transceiver Guide: Selection, Deployment, and TCO for 2025 The definitive guide to

Recently, we've received numerous inquiries from users about 400G optical modules. As a mainstream optical 400G ZR/ZR+ Remote Routers/Switches The best option to interconnect a 400G router to a legacy 100G router is leverage 400G

Unless stated otherwise, Juniper Networks warrants that for a period of one (1) year from the Start Date, the Juniper Networks



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Insights Primer: A Guide to 400G Optical Networks Ask the community Infobrief Primer: A Guide to 400G Optical Networks This

NetEngine 40E series provides the industry's highest capacity 2T routing line cards, combining performance with low power

Accelerating enterprise digital transformation with high-capacity, reliable, and energy-efficient routers that are easy to maintain. Learn

Discover the latest advances in router-based optics, from 400G to 800G modules. Explore

Explore our router selector to swiftly identify and migrate to the Cisco enterprise router that best fits your needs. These internet edge

The warranty starts on the 90th day after the date of the product shipment from H3C, or the date on which H3C

400G IS IMPLEMENTED WITH PLUGGABLE OPTICS 1.6TG 400G 100G Infrastructure planning will be critical for the transition to

The LINK-PP LQD-CW400-LR4C 400G QSFP-DD LR4 Transceiver offers 10km range, 400Gbps speed, and energy

400G optics generally use 4 parallel lanes, each of which support 100 Gbps. Multiplexing occurs over multiple fibers, parallel optics,

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