

Overseas Warehouse OLT Optical Line Terminal QSFP-DD

Article Overview

The Cisco NCS1K-OLT-C Optical Line Terminal with QSFP-DD modules offers high-speed 400G C-band DWDM transmission, ideal for scalable, long-haul optical networks.

Overview

An Optical Line Terminal (OLT) is a critical device in passive optical networks (PON), converting electrical signals from the aggregation layer into optical signals for distribution to Optical Network Units (ONUs) at the user side. OLTs support multiple PON standards such as GPON, XG-PON, and XGS-PON, providing high-bandwidth access for residential, commercial, and last-mile applications . The QSFP-DD (Quad Small Form-Factor Pluggable Double Density) modules are pluggable optical transceivers that enable high-speed data transmission, supporting up to 400G per channel. These modules are compatible with Cisco routers and open line systems, offering flexibility for network expansion and integration .

Key Features

- o High-Speed Transmission: Supports 400G line rates with C-band DWDM, suitable for long-haul and metro networks .
- o Pluggable Form Factor: QSFP-DD modules allow easy deployment and replacement, compatible with QSFP28 interfaces for backward compatibility .
- o Scalability: Multiple QSFP-DD ports enable network expansion without major infrastructure changes .
- o Low Latency and High Bandwidth: Ideal for data centers, AI/ML workloads, and high-performance computing environments .
- o Reliability: Redundant design and support for various management protocols ensure stable operation .

Applications

- o Enterprise and Service Provider Networks: High-capacity backbone and long-haul optical transport.
- o Fiber to the Home/Building/Curb: Provides broadband, voice, and video services efficiently.
- o Data Center Interconnects: Supports scalable server disaggregation and rack-to-rack optical links .

Procurement and Overseas Warehouse Considerations

Many suppliers, including Cisco-authorized distributors and manufacturers like HSGQ, offer overseas warehouse shipping for OLTs and QSFP-DD modules. This ensures faster delivery, reduced shipping costs, and easier access to technical support. When sourcing, consider:

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- o Compatibility: Ensure QSFP-DD modules match your OLT and router hardware.
- o Warranty and Support: Verify manufacturer or distributor support for overseas shipments.
- o Stock Availability: Overseas warehouses often maintain ready-to-ship inventory for high-demand modules .

Conclusion

The Cisco NCS1K-OLT-C with QSFP-DD modules provides a robust, high-speed optical solution for modern networks, combining flexibility, scalability, and reliability. For overseas procurement, leveraging warehouses with ready stock can reduce lead times and simplify deployment in global network environments .

FS provides an expanding portfolio of 400G OSFP/QSFP112/QSFP-DD solutions featuring high

Explore the different classifications of OLT equipment, understanding each type's unique functions and applications. Read this article

Browse technical resources about fiber raceway systems, cable trays, structured cabling standards, data center containment, and

The ISCOM6860 is a high-density carrier-grade Optical Line Terminal (OLT) platform. It offers EPON, 10G EPON, GPON, XGS

This in-depth guide explores the three major optical module standards--SFP, QSFP, and OSFP--highlighting their

Explore our range of high-quality GPON, EPON, and XG(S)PON OLT products. Find the perfect Optical Line Terminal solutions for

The Cisco QSFP-DD Pluggable Open Line System (QDD OLS) is an advanced optical amplifier transceiver designed to simplify and

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

The QSFP-DD OLS is a pluggable open line system solution that

Deploy Cisco NCS1K-OLT-C 1010 Optical Line Terminal with 400G line rate and 2x QSFP-DD for scalable C-band DWDM transport.

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Product overview The Cisco® QSFP-DD Open Line System (QSFP-DD OLS) is a pluggable optical amplifier module that, together

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

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency,

What is Optical Line Terminal (OLT)? An OLT is the main device in fiber networks,

Optical Line Terminals (OLT) convert data to optical signal for optical distribution throughout the outside plant network.

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