

Local Area Network OTN Router 400G CIF Price



AI Overview

400G OTN routers, such as Cisco NCS 4000 series, typically range from tens of thousands to over a hundred thousand USD per line card, with QSFP-DD 400G transceivers priced from \$5,000 to \$15,000 depending on reach and type. 400G OTN Router Overview 400G Optical Transport Network (OTN) routers are designed for high-capacity LAN, metro, and data center interconnect applications. They support 400 Gigabit Ethernet (400GbE) and integrate packet, OTN, and WDM capabilities for scalable, long-distance, and high-throughput networks. Common models include the Cisco NCS4K-4H-OPW-LO, which uses QSFP28/CFP2 interfaces and supports a 100G OTN license, suitable for telecom operators, large enterprises, and hyperscale data centers.

Pricing Components

Line Cards / Router Modules Cisco NCS 4000 400G Packet/OTN/WDM line cards typically cost \$50,000–\$120,000 per card, depending on configuration, licensing, and vendor discounts. High-end chassis like Cisco 8200 or 8100 series with multiple 400G ports can exceed \$200,000–\$500,000 for fully equipped systems.

400G QSFP-DD Transceivers

Short-reach modules (DR4, SR8) for rack-to-rack or data center interconnect: \$5,000–\$7,000 per transceiver. Medium-reach modules (FR4, 2 km) for campus or metro networks: \$7,000–\$10,000 per transceiver. Long-reach modules (LR4, 10 km) for metro or regional networks: \$12,000–\$15,000 per transceiver.

Active optical cables (AOCs) for short distances: \$1,000–\$3,000 depending on length.

Accessories and Licensing Rack mounting kits, power supplies, cooling fans, and software licenses may add \$5,000–\$20,000 per deployment. OTN licenses for 100G or 400G features are often sold separately and can significantly affect total cost.

Factors Affecting Price Reach and fiber type: Single-mode vs multimode fiber and distance (500m–10km) impact transceiver cost. Vend...

Article Content

Cisco NCS 4000 400 Gbps DWDM/OTN/Packet Universal Line Card

Product overview The Cisco® Network Convergence System (NCS) 4000 400 Gbps Universal line card converges Dense Wavelength-Division Multiplexing (DWDM), Optical Transport Networking (OTN)

400G/800G Data Center Switches | High Speed Ethernet Switch for AI

High Price, Low Profit Standard 400G switches drain budgets. We cut costs 40% with equal performance. AI Tech Too Complex Configuring AI-ready networks is complex. Our local/remote

Cisco Systems QSFP-DD 400G ZR+ High TX Power OTN Network

Cisco Systems QSFP-DD 400G ZR+ High TX Power OTN Network Device provides high-speed connectivity, delivering a blazing-fast data transfer rate of up to 400Gbps. With this device, your

Nokia ONT

Discover Nokia ONT with dual-band WiFi, 4GE ports, and VoIP support for FTTH networks. CE certified, reliable performance. Shop now!

WDM/OTN Solution Full Series of 400G/800G

Huawei full series of 400G/800G WDM solution supports QPSK and s16QAM modulation formats and is applicable to ultra-long-haul, regional, and metro networks. The 400G/800G WDM solution supports

Cisco ASR-9904 Router 4-Slot 400G Throughput

Deploy Cisco ASR-9904 for scalable 4-slot 400G edge routing, high availability and carrier-grade IOS XR. Check specs, EOL info, power and rack details.

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 make it an optimal choice for a wide range of DCI/Cloud, metro access/aggregation,

Cisco 400G QSFP-DD High-Power (Bright) Optical Module

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data center, campus, metropolitan-area access and ring network, storage

Planning for 400G: Transponder or 400ZR?

Comparing 400G Transport Options With 100G transponders having attained mainstream status, 400G is the next major upgrade cycle for optical

Fixed Wireless Access: Economic Potential and Best Practices

As the objects are not long-range, it is rational to provide connectivity to these objects with short-range LAN (local area network) technology and then connect the area with long-range

Beyond 400G Technical White Paper

Based on a series of innovative B400G OTN technologies, operators can provide high-bandwidth network services more conveniently, which makes “any service access, any granularity switching and

Cisco 400G Optical Modules Price

Check Cisco 400G optical modules price, and buy them with best discount. Fast shipping and free tech support.

The 400GE inflection point

The use of 400GE coherent router optics and simple point-to-point line systems may be an attractive option for interconnecting routers in simple linear link topologies and small, packet-centric service

OTN Price

QSFP 40GBASE-LR4 OTN Transceiver, LC, 10KM. Cisco CRS Series 2x100GE+5x40GE LAN/OTN Interface Module. Cisco CRS Series 40x10GbE LAN/WAN/OTN Interface Module. Cisco CRS Series

10G/40G/100G/400G OTN Digital Wrappers

Alphawave Semi offers a dynamically reconfigurable OTUC4, 2xOTUC2, and 4xOTU4 OTN digital wrapper IP core solution. The IP core is a perfect choice for carrying 400/200GE (IEEE 802.3bs)

400G Optical Transceiver: Cisco 400G Optics, Pricing & Applications

In this article, the 400G optical transceiver is thoroughly explained in terms of definition, major types, application scenarios, price and cost, as well as typical product models such as QDD

Cisco CRS 4-Port 40GE LAN/OTN Interface Module

Cisco CRS 4-Port 40GE LAN/OTN Interface Module addresses the requirements for POS at Ethernet prices and offers a dense 40 Gigabit Ethernet solution for data centers.

ASR9000 1/10/40/100G LAN/WAN/OTN White Paper

Introduction This white paper is intended to help the readers obtain a quick understanding on 1/10/40/100GE Ethernet port on a Line Card in general and how it has been implemented in

Growing AWS internet peering with 400 GbE

Historically networks would be built in "layers" with different kinds of layers for connecting different kinds of clients, such as an "internet edge" for internet-peering facing routers, "aggregation"

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