

40G Branded Optical Router



AI Overview

High-performance 40G routers from Cisco, Juniper, HPE, Huawei, and Mikrotik are available for immediate purchase with full optical support and delivery options. Leading 40G Router Options Several manufacturers offer 40G routers suitable for enterprise, data center, and service provider networks:

- Cisco:** Offers the ASR 1002-X and ASR 9000 series with 40G QSFP+ support, IEEE-compliant 40GBASE interfaces, and high-density, low-power connectivity for core and distribution layers.
- Juniper:** ACX, MX, PTX, and QFX series routers support 40G and 4x10G optical transceivers, fully tested for interoperability and reliability in multivendor environments.
- HPE:** Provides 40G routers and optical modules compatible with enterprise and cloud deployments, ensuring seamless integration with existing network infrastructure.
- Huawei:** NE40E-X series routers support 40G optical links with advanced routing, security, and virtualization features.
- Mikrotik:** CCR series routers with 40G QSFP+ ports offer high-speed aggregation, wire-speed performance, and industrial-grade reliability for AI clusters and storage fabrics.

Optical Transceiver Support 40G routers typically use QSFP+ optical transceivers, which are available in various reach options from 150 meters to 80 kilometers, supporting high-density switching and routing. Cisco, Juniper, and HPE provide fully tested and standards-compliant modules for seamless deployment, while FS offers a wide range of 40G QSFP+ modules with fast delivery.

Purchase and Delivery Suppliers like ServerBasket provide a comprehensive range of 40G routers with:

- Free doorstep delivery in international markets including Egypt, Nigeria, Kuwait, and Saudi Arabia
- Flexible returns and 24/7 technical support
- Professional consultation to select the most suitable router and optical modules for your network

Key Considerations When selecting a 40G optical router:

- Ensure compatibility with existing optical transceivers (QSFP+ or QSFP28)
- Check vendor support and warranty for high-availability deployment...

Article Content

H3C Products Catalogue

H3C SR6600 multi-core router series is brand-new hardware platform and service-oriented design that meets the diversified requirements of users for future expansion, suiting the IT construction status

QSFP-40G-ER4 Demystified: Your Guide to 40Gbps Over 40km

QSFP+ 40G ER4 is a 40G transceiver for long-distance, high-speed links up to 40km, ideal for data centers and enterprise networks using single-mode fiber.

Does the SFP matter? : r/networking

We tried fiberstore with disastrous results. We're mostly Cisco / Juniper for route/switch and Palo Alto for firewalls. The optics we've seen the most issues with that were fiberstore are 10km LR 10G optics

MikroTik · SFP/QSFP

The new DQ+BC0003-DS+ 3m QSFP56 break-out cable replaces XQ+BC0003-XS+ at the same price, adding support for 200G to 4x50G splitting while retaining

Cisco 40GBASE QSFP Modules Data Sheet

It enables high-bandwidth 40G optical links over 12-fiber parallel fiber terminated with MPO/MTP multifiber female connectors. It can also be used in a 4x10G mode for interoperability with 10GBASE

Cisco 40GBASE QSFP Modules Data Sheet

Cisco QSFP-40G-SR-BD (40G BiDi) The Cisco QSFP 40-Gbps BiDirectional (BiDi) transceiver (Figure 1) is a pluggable optical transceiver with a duplex LC connector interface for short-reach data

10Gtek 40G QSFP+ MPO Multi-Mode Transceiver, 40GBASE-SR4

40GBASE-SR4 QSFP+ to MPO Optical 40G Ethernet transceiver module, Multimode, 4-lanes, 850nm, 12-fiber MPO/MTP connector, DDM, up to 100m Wide Compatibility - Cisco QSFP-40G-SR4 and

Cisco QSFP-40G-LR4 Compatible QSFP+ Module

About this item 100% CISCO QSFP-40G-LR4 COMPATIBLE QSFP+ TRANSCEIVER: Works with Cisco switches like Firepower, ASR1000, ASR9000, C9300, C3850 and others TECHNICAL SPECS:

40GB QSFP+ Transceiver ER4 1310nm | FiberMania

The FiberMania 40G QSFP+ ER4 Transceiver is a high-performance optical module designed for long-reach single-mode fiber links, delivering reliable and low

QSFPTEK 40G QSFP+ Module, SFP Optical MTP/MPO Multi-Mode

Widely used in fiber switches, routers, NIC, server or other fiber optic equipments with 40Gb QSFP+ ports. 100% high quality products: We always strictly control product quality, every module had been

Cisco QSFP-40G-CSR-S= 40GBASE-CSR QSFP Optical Transceiver

What accessories are available for the QSFP-40G-CSR-S= module? Accessories include compatible LC fiber optic cables, dust caps for the connectors, and transceiver cleaning kits.

Cisco C9610 Series Smart Switches Data Sheet

Pluggable optics Optical transceivers, also known as pluggable optics, are required to operate Cisco C9610 Series Smart Switch fiber-optic line cards.

QSFP+ Explained: 40G Types, Distances & Selection | Network

QSFP+ (Quad Small Form-Factor Pluggable Plus) is the workhorse optical form factor for 40 GbE compact, hot-pluggable, and built around 4×10 Gb/s electrical lanes per direction. In data

Platform Overview | BIG-IP Documentation

On platforms that include 100G interface ports, you can use only F5-branded 100G QSFP28 transceiver modules in those ports. When a 100G interface operates at either 40G and

Bulk Ethernet Cables: Cat5e, Cat6, Cat7 Bulk Cables

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications. Click to get

Comprehensive Guide to Optical Transceiver Interoperability and ...

Discover the essential guide to optical transceiver interoperability and compatibility. Learn how to ensure seamless network connectivity, avoid vendor lock-in, and optimize your fiber optic

Key Specifications for Palo Alto Networks Interfaces and Transceivers

Each interface definition is supported by specifications and agreements defining the electromechanical coupling, electrical and optical signals, as well as management properties of

Fiber, Wireless, SFP, Networking, Entrance & Security

Syrotech Networks is a market leader in the design and manufacture of the best Fiber, Wireless, SFP, Networking, Entrance & Security products in India.

QSFP-40G-CSR-S= Datasheet Overview

Table 1 shows the Quick Specs. Product Code QSFP-40G-CSR-S= Description Cisco 40GBASE-CSR QSFP Module for Duplex MMF Dimensions 13.5 x 18.4 x 72.4 mm Wavelength (nm) 850 Cable Type

QSFP+ 40G LR4 Explained: Your Ultimate Guide to 40G Long-Reach Optics

QSFP+ 40G LR4 enables high-speed, long-range data transfer for data centers, enterprises, and telecoms, supporting reliable 40G network growth in 2025.

QSFP-40G-LR4= Datasheet Overview

Description Cisco 40GBASE-LR4 QSFP Module for SMF with OTU-3 data-rate support Dimensions 13.5 x 18.4 x 72.4 mm QSFP Port cabling specifications Wavelength (nm) 1310 Cable Type SMF Core

Cisco QSFP-4X10G-LR-S Compatible 40GBASE-PSM4 QSFP

Cisco QSFP-4X10G-LR-S Compatible 40GBASE-PSM4 QSFP+ optical transceiver provides 40G links up to 10km over SMF at 1310nm using MTP/MPO interface. Supporting breakout to 4x10GBASE-LR

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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