

Iceland Certified Fiber Optic Enterprise Router 40G



Overview

Supporting 40km transmission over single-mode fiber with 4 CWDM wavelengths (1271/1291/1311/1331nm), this high-performance module delivers impressive 19 dB link budget at speeds up to 44.3 Gbps compliant with duplex LC connectors for extended metro deployments. The Cisco® 40GBASE QSFP (Quad Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. Our 40GBASE-ER4 QSFP+ transceiver enables ultra-long-reach connectivity for service provider networks. This module uses four lanes of. Learn how to build a home Ethernet network that can reach speeds of 10 Gbps or even 40 Gbps! Bring your home lab or studio to the next level! 10G or 40G Home Network?

! A Guide to Insane Ethernet Speeds What Is SFP?

As Internet speeds and storage capacities increase, there is a continued drive for. The Balance 5000 EC is a high-performance enterprise router designed to support thousands of concurrent users. Equipped with edge computing capabilities, it comes in two models—40G and 100G—to meet the demands of large networks and data centers. Each channel can: This quad-channel design gives data center switches and routers a higher port density.



Article Content

Jun 17, 2026

Cisco Enterprise Router Selector

These internet edge routers offer embedded services for large enterprise branch offices and high performance private WAN. Running on Cisco IOS XE Software,

Jan 14, 2026

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

Jun 30, 2025

40G QSFP+ PRODUCT FAMILY

The 40GBASE-ESR4 QSFP+ module supports a link length of up to 82m on 500MHz*km OM2 parallel multimode fiber (MMF). A link length of up to 300m is possible using 2000MHz*km MMF (OM3).

Oct 05, 2025

Cisco Enterprise Router Selector

Cisco WAN Appliance Migration and Enterprise Router Selector Explore our router selector to swiftly identify and migrate to the Cisco enterprise router that best fits

Dec 26, 2025

Connect to Excellence

Connect to Excellence Ljósleiðarinn (Reykjavík Fibre Network) is a quality connection for homes and businesses. Ljósleiðarinn manages the running and building of the fibre. Ljósleiðarinn is an open

Feb 20, 2026

Cisco 4000 Series Integrated Services Routers

Cisco 4000 Series Integrated Services Routers (ISR) Build your digital branch to be secure, fast, and scalable Get routing, hosting, security, switching, and enhanced

Apr 22, 2026

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

Aug 05, 2025

Iceland's Farice upgrades submarine and terrestrial networks via Ciena

Farice, which provides fiber-optic network services between Iceland to mainland Europe, is upgrading the DANICE submarine cable system with 40-Gbps coherent optical transport technology...

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Fiber optic internet from Nova

Nova Fiber provides exceptionally fast and reliable internet directly to your home. With the latest Wi-Fi 7 technology and speeds of up to 10 Gbps, you'll enjoy a connection that meets the demands of

Aug 24, 2025

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

If your project requires high-speed data transmission over 20km to 40km, the QSFP-40G-ER4 transceiver is an ideal and cost-efficient solution. It

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peplink_balance_5000_ec_faq

The Balance 5000 EC is a high-performance enterprise router designed to support thousands of concurrent users. Equipped with edge computing capabilities, it comes in two models—40G and

Apr 24, 2026

QSFP+ 40G SR4 Transceiver: The Workhorse of 40

QSFP+ 40G SR4 delivers reliable 40Gbps performance, short-range connectivity, and strong compatibility for data centers and enterprise networks.

Jul 01, 2025

Understanding the 100G LR4 Transceiver for Modern

A 100G LR4 transceiver enables 100Gbps data transfer up to 10km using single-mode fiber, ideal for high-speed, long-distance network connections.

Oct 13, 2025

Gigabit Fiber Optic Internet | Google Fiber

Google Fiber offers limitless access to fiber internet. Find out what you can do with speeds up to 8 gigabits per second. Equipment and Wi-Fi are included.

Oct 01, 2025

Can I connect?

Ljósleiðarinn builds and operates a fiber optic network for homes, businesses, and institutions. With a dense network of fiber optic threads, Ljósleiðarinn ensures

Aug 22, 2025

Cisco Catalyst IR1100 Rugged Series Routers

Cisco Catalyst IR1100 Rugged Series Routers provide secure, reliable, and scalable connectivity in a highly modular, 5G-ready platform.

Aug 27, 2025

Cisco Integrated Services Router 4000 Family Data Sheet

Cisco 4000 Family Integrated Services Router Cisco® 4000 Family Integrated Services Routers (ISRs) form an intelligent WAN platform that delivers the performance, security, and convergence

Feb 17, 2026

QSFP-40G-SR4 Datasheet Overview

Overview The Cisco® 40GBASE QSFP (Quad Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options for data center,

Jan 07, 2026

Plan to Connect Iceland's Rural Settlements with Fibre

Minister of Universities, Industry, and Innovation Áslaug Arna Sigurbjörnsdóttir recently announced plans to connect 102 villages and rural

May 22, 2026

Cisco 40 Gigabit Modules

Cisco offers a broad range of 40 Gigabit Ethernet interfaces to meet the high-performance connectivity requirements of campus, data center, and cloud

Feb 19, 2026

40G QSFP+ Optical Transceivers Complete Guide

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and cost-saving benefits.

May 17, 2026

Ljósleiðarinn

Ljósleiðarinn ensures fast, secure, and seamless access to the opportunities of the future through a dense network of fiber optic cables. Iceland is a leader in fiber optic utilization in Europe, with over

Sep 17, 2025

Cisco 890 Series Integrated Services Routers Data Sheet

Cisco 890 Series Integrated Services Routers (ISRs) combine Internet access, comprehensive security, and wireless services in a single high-performance device that is easy to

Aug 16, 2025

10G or 40G Home Network?! A Guide to Insane Ethernet Speeds

Thankfully the price of 10 Gbps network components is now within reach. 40 Gbps are still a bit pricier, but I'll give you some tips on achieving those speeds on a lower budget. Keep in

Aug 23, 2025

The 10 best enterprise routers in 2025

Find the best enterprise router for 2025. This guide covers top enterprise routers, enterprise Wi-Fi, and wireless options to meet your business

Contact Us

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