

40g optical module size



Overview

Product Code QSFP-40G-LR4= Description Cisco 40GBASE-LR4 QSFP Module for SMF with OTU-3 data-rate support Dimensions 13.4 mm Wavelength (nm) 1310 Cable Type SMF Core Size (microns) G.5 Pull Tab. 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. 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 your 40G QSFP+ transceiver modules from nearby warehouses. Trusted by 260K+. Deployment flexibility with 800G (dual 400G), 400G, 100G, 50G, 40G, 25G, 10G or 1G modules. Interoperable with IEEE 40GbE LR4 and LRL4 for easier migrations from 10G to 40G and to single mode fiber 100G. In 25GbE networking environments, the 100 and 400GbE ports can be broken out into four 25GbE lanes by use of either active optical (AOC) or passive copper (DAC) breakout cables. You can utilize 25GbE optics in 100GbE and 400GbE ports using a (QSA28) pluggable adapter.

Article Content

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

Optical Modules Market Size, Growth Trends

Access detailed insights on the Optical Modules Market, forecasted to rise from USD 3.5 billion in 2024 to USD 8.2 billion by 2033, at a CAGR of

Optical Module Encapsulation Types

It is a next-generation optical module that features a small size, high port density, and low power consumption. Mainly used in 40G and 100G Ethernet applications, it uses four transmission channels

Dell networking transceivers and cables

40GbE (4×10GbE) QSFP+ optical transceivers include short-reach (SR4), and long-reach (LR4). In many cases, 1GbE SFP and 10GbE SFP+ optics can be readily inserted, recognized, and utilized in

Arista Optics Modules and Cables

Overview Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity

Understanding Transceiver Types: SFP, QSFP, DAC, AOC, CWDM

High-Speed Optical Modules: 40G, 100G, 400G and 800G As cloud computing, AI workloads, and data center traffic continue to increase, higher-speed optical modules are becoming increasingly important.

Telecom Optical Module Market Research Report 2033

The Telecom Optical Module market was valued at \$24.8 billion in 2025 and is projected to reach \$47.3 billion by 2033, growing at 8.4% CAGR.

Active Optical Cables (AOC) | High-Speed Connectors

Active Optical Cables (AOC) Explore Amphenol's high-speed Active Optical Cables designed for data centers, HPC, telecom, and storage systems

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP

At present, 40G optical module and 100G optical module price is too high, power consumption is too large, and 10G optical module rate can not meet the network demand, so 25G

5G Drive Telecom Optical Module: Market Trends & 2033 Outlook

The 5G Drive Telecom Optical Module market expands, fueled by escalating data demands and network upgrades. Analyze growth drivers, forecasts, and strategic imperatives for 2033.

QSFP SR4 40G Optics: 40GBASE Short Range Transceiver Guide

Learn what QSFP 40G SR4 transceivers are, including key specifications, fiber requirements, typical use cases, and how to choose the right module.

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Fiber Optical Cable OM3 Duplex OM5 Duplex OS2 Simplex MPO-MPO Extension QSA (40G/100G) SFP+/QSFP Extension Loopback SFP+/SFP28 Loopback

Growth Strategies in 25G Optical Module Market: 2026-2034 Outlook

The 25G Optical Module Market is booming, projected to reach \$8 Billion by 2033, driven by 5G and data center expansion. Learn about market size, growth trends, key players (II-VI,

QSFP Optical Module Market: \$8.6B by 2025, 11.2% CAGR

The QSFP Optical Module market will reach \$8.6B by 2025 with an 11.2% CAGR. Growth is driven by government incentives and strategic partnerships. Access key market drivers and company

Arista Optics Modules and Cables

Each module is optimized for different media and reach (ranging from 0.5 meters to 80 kilometers). All interface speeds, from 1G to 400GE have connectivity options that include Direct Attach copper

MTS-SFP-40G-SR/LC Technical Data Sheet

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied.

400G Optical Modules Explained: SR4 Vs. DR4 Vs.

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center

Cisco 40GBASE QSFP Modules Data Sheet

It primarily 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

MPO Fiber Connectors: Types, Polarity, Gender & Applications for 40G ...

Introduction With the rapid growth of cloud computing, 5G, and AI services, data centers require higher-density, higher-speed, and more reliable fiber cabling solutions. MPO (Multi-fiber Push

What is QSFP28? Guide to 100G Ethernet | NetAlly

How do I know if an optical module is going to interoperate with other modules? For 100G Ethernet, transceivers must be compliant with the QSFP28 Multi-Source Agreements (MSA):

40G QSFP+ Transceiver Modules | Optical Transceivers

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

What is QSFP & QSFP+ Transceiver: An Ultimate

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane signals into a single

Buy Cisco 40G Optical Modules | Price, Stock & Compatibility

Shop Cisco 40G optical modules for QSFP+, BiDi, CFP, and 40G uplink deployments. Check compatibility, stock, and request pricing for your project.

40Gbps QSFP+ Optical Modules

40Gbps QSFP+ Optical Modules QSFP-40G-LR4 QSFP-40G-SDLC-PAM QSFP-40G-SR-BD (Q2311FPA) QSFP-40G-eSR4 QSFP-40G-iSR4 QSFP-40G-LX4 QSFP-40G-ER4 QSFP-40G-LR4

Single Mode Optical Modules Market 2026

Telecommunication operators are extensively deploying Single Mode Optical Modules in fronthaul and backhaul applications to support 5G network rollouts. The modules enable high-speed, low-latency

QSFP-40G-LR4= Datasheet Overview

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

Cisco 40GBASE QSFP Modules Data Sheet

The QSFP-40G-CSR-S is a pluggable optical transceiver with a duplex LC connector interface used for connectivity using MultiMode Fiber (MMF). The Cisco 40GBASE-CSR Modules support link lengths

Cisco 40GBASE QSFP Modules Data Sheet

This module can be used for native 40G optical links over 12-fiber ribbon cables with MPO/MTP connectors or in 4x10G mode with parallel-to-duplex fiber breakout cables for connectivity

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Contact Us

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