

Delivery Date Optical Module QSFP28



AI Overview

Delivery times for QSFP28 optical transceivers depend on the specific module type, vendor stock, and order volume, typically ranging from immediate availability to several weeks for specialized variants.

QSFP28 Overview QSFP28 (Quad Small Form-factor Pluggable 28) is a hot-pluggable 100G optical transceiver widely used in data centers, enterprise networks, and telecom infrastructure. It aggregates four 25G lanes to achieve 100 Gbps throughput, with the "28" indicating the maximum per-lane speed of 28 Gbps, providing overhead for error correction and clocking. QSFP28 modules are compatible with multiple optical technologies, including multimode VCSELs, single-mode DFB lasers, and PAM4 optics, depending on the variant.

Common QSFP28 Variants

- FR1/LR1:** Supports 2 km and 10 km links over single-mode fiber using LC connectors, suitable for short- to medium-range data center interconnects.
- ZR4:** Designed for ultra-long-reach applications up to 80 km, operating on LAN-WDM wavelengths near 1310 nm, ideal for metro networks and long-haul Ethernet.
- SR4/PSM4:** Typically used for short-reach multimode fiber connections, often within racks or adjacent data center rooms.

Factors Affecting Delivery

Module Type and Reach: Specialized modules like ZR4 or industrial-temperature variants may have longer lead times due to lower stock levels.

Vendor and Stock Availability: Factory-direct suppliers like ATOP or Jabil maintain controlled production ecosystems, which can influence delivery predictability.

Order Volume: Large-scale orders may require additional production cycles, affecting delivery schedules.

Compatibility Requirements: Ensuring the QSFP28 module matches your switch or router platform may require vendor verification, which can add time before shipment.

Recommendations Contact the vendor directly for the most accurate delivery date, as stock levels and lead times fluctuate. Specify the exact variant (FR1, LR1, ZR4, or industrial temperature) to avoid delays. Plan for potential lead times of...

Article Content

100G QSFP28 Transceivers: Types, Specs and How to Choose

A complete guide to 100G QSFP28 transceivers covering types, specs, reach, compatibility, and how to choose the right module for data center and telecom networks.

SFP vs SFP28 vs QSFP28 vs QSFP-DD/OSFP: 2026

SFP vs SFP28 vs QSFP28 vs QSFP-DD/OSFP: 2026 Data Center Optical Transceiver Selection Guide An engineer-focused, "just tell me what to

China Optical Transceiver Module & Mellanox Network Switch

CN/HK stock and fast delivery for switches, NICs, optics, DAC/AOC cables, APs. Gold/Elite-grade expertise with selection and compatibility support.

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

In the data center, various types of optic module transceiver are seen everywhere, such as SFP, SFP+, XFP, SFP28, QSFP/QSFP+, CFP and QSFP28. However, for those who get in touch

What Is QSFP28? A Clear Explanation of 100G Transceivers

Learn what QSFP28 is, how 100G transceivers work, key standards, module types, and common deployment scenarios in modern data center networks.

What is QSFP28? Guide to 100G Ethernet | NetAlly

It is a hot-pluggable module that uses four lanes of 25G electrical signals to deliver a total data rate of up to 100 Gbps. The "28" in the name refers to the maximum speed of each lane (up to

100G QSFP28 SR4 vs LR4 vs CWDM4: The Architect's Selection Guide

Selecting the wrong 100G optical module is a silent killer of data center ROI, leading to cascading failures in port density, thermal headroom, and cabling lifecycle. Technically speaking,

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs

The QSFP28 100G transceiver comprises four high-speed differential signal channels with data rates from 25 Gbps to 40 Gbps. Within the 100G optics

CBO AFCT-89WJDDZ QSFP28 100G transceiver | AiO.lv

CBO AFCT-89WJDDZ is a QSFP28 fiber optic transceiver supporting 100G data rates. Designed for high-speed network links, it provides a compact module format for use in switches, routers and data

Intel® Ethernet QSFP28 Optic

Functionality, performance, and other benefits of this feature may vary depending on system configuration. “Announced” SKUs are not yet available. Please refer to the Launch Date for market

100G QSFP28 Transceiver Modules | Optical

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution layers, computing networks and

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD

Optical Transceivers Optical Transceivers You Can Trust. At Pivotal Optics, we deliver transceiver solutions you can count on— precision-built, MSA-compliant,

Cisco QSFP28 100G ZR Digital Coherent Optics

Cisco ® QSFP28 100G ZR extends 100GbE coherent links from QSFP28 ports reaching up to 80km over dark fiber and up to 300km over

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

This DCO module is tunable across C-band. The module is compatible with widely deployed ports of QSFP28 100G and 100GBASE ER CAUI-4 client interfaces. Its maximum

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034,

QSFP28 Transceiver: Complete 100G Connectivity Guide

This guide equips network engineers with everything they need to know about QSFP28 optical transceivers — from module types and

The Ultimate Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28:

These lanes operate at high speeds of 25 Gbps (for 100G) or up to 40 Gbps per lane for specialized applications. Within the competitive 100G optical market, the QSFP28 form factor has

KIT QSFP28 100GB (MMF, 850nm, 100m, MPO) for Cisco UCSC

Two (2) Optical Transceivers Modules 100GBase-SR4 QSFP28 (MMF, 850nm, 100m, MPO, DOM) Form Type: QSFP28. Founded in 1992, Compufox provides quality optical transceivers

100G QSFP28 Single Lambda Transceiver for Modern Data Center

100G QSFP28 Single Lambda Transceiver for Modern Data Center Networks As data center traffic continues to grow, network operators need optical transceivers that can deliver higher

3HE10550AARA01 Optical Module FTLC1154RDPL-A5 Specifications

Shipping Shipping fee and delivery date to be negotiated. Chat with supplier now for more details. Item subtotal \$0.00 Shipping total To be negotiated Subtotal \$0.00 Send inquiry Chat now

100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

Product overview The FS® 100GBASE Quad Small Form-Factor Pluggable (QSFP28) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for

HTF DWDM equipment,OTN Solution,QSFP28 OSFP

In the era of cloud computing, big data, and AI-driven applications, the DWDM DCI Box has become a critical solution for data center interconnects (DCI). Explosive

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. It

QSFP28 Transceiver: Complete 100G Connectivity

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot

Ethernet Switch Port Types Explained 2026: RJ45,

A complete engineering guide to Ethernet switch port types: RJ45, SFP, SFP+, SFP28, QSFP+, QSFP28, Combo, Stack, PoE, access/trunk/hybrid

Contact Us

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

Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

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