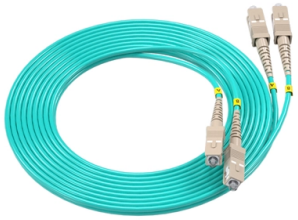
Price list for SFP optical modules for data center interconnection



Overview

SFP Module Types, SFP Transceiver Price List FS SFP module solutions range from Fast Ethernet to Gigabit Ethernet speeds. fibre and copper SFP transceivers.

Key Takeaways

SFP coherent optical modules for DCI range from under $2,000 for short-reach 400G modules to over $130,000 for OEM 400G/800G ZR+ long-haul modules, with third-party options offering significant savings. Pricing OverviewShort-Reach 400G Modules (SR8): Typically used for in-rack or cross-row connections, priced between $1,400 and $1,800 from reputable third-party vendors, making them the most cost-effective entry point for 400G adoption.

Medium-

Reach Modules (DR4, FR4): Bridge data center rows or campus links. Third-party competition has driven prices down, though exact figures vary by vendor.

Long-

Reach Modules (LR4, ZR, ZR+): Used for DCI over longer distances.

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M LR4 modules can exceed $10,000, while coherent ZR+ modules for extended metro or regional interconnects may surpass $130,000. Third-party alternatives can reduce costs by 30–40% or more. 800G QSFP-DD Modules: Pricing is still stabilizing.

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Buyers can expect 60–70% of OEM list prices for proven third-party 800G transceivers, with OEM modules preferred for critical workloads due to firmware and DOM compatibility.

Vendor Examples

Cisco 800G QSFP-DD and OSFP ZR/ZR+ Modules: Support 800G traffic over DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+, suitable for single-span DCI or metro/regional interconnects.

GIGALIGH

T Coherent Modules: Offer 100G, 200G, and 400G pluggable digital coherent optical transceivers compatible with DCI BOX transport platforms, providing cost-effective solutions for long-haul and metro DCI applications. ConsiderationsOEM vs Third-Party: OEM modules are more expensive but may offer better compatibility and support. Third-party modules can provide substantial savings, especially for large-scale deployments.

Module Type Selection: The choice between SR, DR, LR, ZR, and ZR+ depends on distance, network topology, and required bandwidth. Coherent modules are essential for long-haul DCI links. Total Cost of Ownership (TCO): Beyond module price, consider cabling (DAC vs AOC), optical amplifiers, and network infrastructure when budgeting for DCI deployments.

In summary, SFP coherent optical module prices vary widely based on reach, speed, and vendor. Short-reach 400G modules are relatively affordable, while long-haul 400G/800G ZR+ modules represent the largest line-item expense in DCI networks. Third-party modules offer significant cost savings without compromising performance for many applications.

Article Content

SFP Module Types, SFP Transceiver Price List

FS SFP module solutions range from Fast Ethernet to Gigabit Ethernet speeds. fibre and copper SFP transceivers can be selected in connector type, fibre type and protocols to meet your requirements.

Optical Transceiver Pricing: Cost Ranges by Speed and Type

This article compares typical cost ranges across speeds and transceiver types, explains why prices vary, and gives practical guidance for choosing the right optics for a given budget and performance

Best SFP Module Manufacturers 2025 | Price... | ABPTEL

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You ask: Which third-party SFP module manufacturer is reliable—and how do I compare price vs. risk without breaking my network? This

10G SFP Price Guide: How Much Does a 10G SFP Module Cost

Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best value.

10G SFP+ Optical Transceivers | Transceiver Module

Click to get your 10G SFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

sfp price: Best Deals & Verified Suppliers

Copper SFP+ modules (RJ45) typically cost 40% less than optical variants but have shorter reach. Integration capabilities should support major OEMs like Cisco, Juniper, and Huawei

Amazon : Sfp Module

Upgrade your network infrastructure with versatile SFP modules. Discover options for 1G, 10G, and fiber optic standards to meet your connectivity needs.

SFP+ Modules for Sale (10G) | Cables on Demand

SFP+ products offer an ultra-high performance, cost effective solution for 10-Gigabit speed applications in switched fabric I/O, switches, routers, data storage arrays,

Wholesale Fiber-optic Modules from Manufacturers, Fiber-optic

Source over 614 fiber-optic modules for sale from manufacturers with factory direct prices, high quality & fast shipping.

Buy Transceivers – SFP, SFP+, and QSFP Modules

Here you can find SFP, GBIC and all other types of modules for multi-mode as well als single-mode fiber-optics, and even Copper Ethernet (1000Base-T and 10GBase-T).

What is SFP Port? Everything You Need to Know

What is an SFP port? The SFP port also refers to a Small Form-factor Pluggable port. It is a compact mechanical slot that accepts an SFP

SFP Modules Dubai | IRIX Fiber Optic Transceivers & SFP+ UAE

Fiber optic modules UAE market serves diverse applications including data center server connectivity, campus building interconnection, storage area networks (SAN), metro area networks,

What Is an SFP and How It Works Explained

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For those getting started with SFP''s, it is important to understand how frequently SFP modules can be used to bridge communications between devices. From there, it''s just a matter of matching the SFP

Optical Transceiver Market Size, Share, Industry Report – 2035

Industrial cloud deployments and edge data center growth supporting Industry 4.0 initiatives further drive adoption of high-speed 100G to 800G optical modules. Germany''s combination of dense

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

This module features a standard XFP form factor, complies with IEEE 802.3ae 10GBASE-LR standards, and supports 10.3Gbps full-duplex data rate over single-mode fiber (SMF). With its industrial-grade

Nokia 3HE11023AAAA01 10GBASE-SR SFP+ Optical Transceiver

This module features a standard SFP+ form factor, backward compatible with SFP ports, complies with IEEE 802.3ae 10GBASE-SR and 10GBASE-SW standards, and supports 10.3125Gbps full-duplex

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Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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