

Saudi Arabian tariff costs for 400G active optical modules



Overview

At the OEM/ODM level, typical per-unit pricing in 2026 for volume orders (1,000+ units) is as follows: 100G QSFP28 AOCs at USD 80-140; 200G QSFP56 AOCs at USD 120-200; 400G QSFP-DD AOCs at USD 180-350; and 800G OSFP AOCs at USD 400-700. Effective Jan 2025, all GCC member states, including Saudi Arabia, adopted the 2022 HS-based 12-digit tariff system to replace former 8- and 12-digit codes. This expansion allows for more precise classification of products, including new sub-categories and additional classifications for existing. The Saudi Arabian market for 400g ZR/ZR+ coherent optical modules is experiencing significant transformation driven by the rapid expansion of data center infrastructure and the increasing demand for high-capacity optical communication solutions. As the digital economy accelerates, telecom operators. From campus backbones to metro DWDM rings and hyperscale data centers, the cost of each 400g optical transceiver can swing hundreds or even thousands of dollars. To ensure you procure the right modules at the best price, it's crucial to understand every underlying cost driver, industry trend, and. Growing preference for lightweight, low-power, and high-bandwidth cable assemblies is accelerating active optical cable adoption across hyperscale data center and AI computing cluster deployments in Saudi Arabia. Coherent optics enable high-capacity, long-haul transmission using advanced modulation formats and digital signal processing.

Article Content

Understanding the Latest in 400g Transceiver

Explore our complete guide to 400G transceiver technology, including QSFP-DD modules and cables designed for data centers. Discover high-density,

400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4

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

Saudi Arabia 400g Zr/zr+ Coherent Optical Module Market ...

The Saudi Arabia 400g Zr/zr+ Coherent Optical Module Market Research Report delivers a sharp, evidence-based assessment of market size, growth trajectories, and emerging shifts that will

White Paper HiSilicon Optoelectronics 400G All

Based on an oDSP and optical components with the highest performance, the 400G MSA module delivers the optimal performance for 400G long-haul transmissions, and a flexible 200–800G DWDM

Unlocking the Power of 400G Optical Networks: A Deep Dive into

Explore the transformative potential of 400G optical networks, enhancing data center capabilities and enabling scalable, high-speed solutions for modern network demands.

Saudi Arabia Active Optical Cable Market Size and Forecasts 2032

Increasing adoption of 400G and 800G Ethernet networking standards is driving demand for high-bandwidth active optical cable assemblies compatible with next-generation switch and NIC

Comprehensive Guide to 400G/800G QSFP-DD Optical

From a technological perspective, both 400G and 800G QSFP-DD modules benefit from significant advancements. Silicon photonics has played a

Saudi Arabia 400g Zr/zr+ Coherent Optical Module Market ...

The supply chain for 400g ZR/ZR+ coherent optical modules in Saudi Arabia is subject to geopolitical, logistical, and technological risks that could impact market stability.

Optical Modules Evolution and Innovation From 400G to 1.6T

Explore the evolution of optical modules in speed and form factors from 400G to 1.6T, stressing key enhancement technologies, and paths to achieving high-speed optical modules.

Comprehensive understanding of 400G optical modules

In the past two years, the demand for 400G optical modules in high-performance data centers, intelligent computing centers, super-computing centers, cloud computing and communication networks has

Active Optical Cable Market in Saudi Arabia | Report

Pricing for 400G QSFP-DD AOCs is in the range of USD 180–350 per unit at the OEM level, with 800G OSFP AOCs commanding USD 400–700 per unit, reflecting premium DSP and

What factors influence 400G optical transceiver modules

This comprehensive guide dives deeper into the factors affecting 400g optical transceiver pricing and equips you with the insight to optimize total cost of

Optical Network Equipment Market in Saudi Arabia | Report

Pluggable optical modules, particularly 400G and emerging 800G coherent transceivers, account for over 40% of unit volume demand, with average selling prices declining 8–12% per year

Introduction to 400G Optical Modules · KAD

A clear, engineer-friendly overview of 400G optical modules, including standards, packaging formats, functions, and market outlook for next-generation

400G ZR & ZR+

400G ZR and ZR+ coherent pluggable optics have become new solutions for high-density networks with data rates from 100G to 400G featuring

400G Optical Transceivers | OEM Compatibility

Our 400G optical transceivers are 100% compatible with leading OEM brands such as Cisco, Juniper, Arista, Huawei, Nokia, Dell, and more. This

Breakdown of the cost structure of a 400 Gb/s pluggable

Recently, flexible transceivers have been investigated to maximize the optical power budget of optical network units for increasing the capacity of passive optical

The Evolution of 400G, 800G, and 1.6T Optical Modules

With the rapid advancement of AI, HPC, and cloud computing, the demand for high-speed optical modules such as 400G, 800G, and even 1.6T is growing

Why 400G and 800G Optical Modules Are Critical for AI

This is where 400G and 800G optical transceivers step in—delivering high-speed, low-latency, and energy-efficient interconnects for the next

IP + Optical: The Mainstream Solution for the 400G Era

With the mature commercial use of 400G ZR+ optical modules, IP colored optical boards and gray optical boards have almost the same integration

400G Optical Modules: The Most In-Depth Q& A You'll

Recently, we've received numerous inquiries from users about 400G optical modules. As a mainstream optical module type today, there are several

Common 400G QSFP-DD Transceiver Types in the Market

The continuous growth in global data traffic has driven data centers to upgrade from 100G to 400G networks. 400G optical modules offer a highly efficient, cost

400G Optical Transceiver: Cisco 400G Optics, Pricing & Applications

Explore the 400G optical transceiver technology, pricing, Cisco optics, and application scenarios. Learn about QSFP-DD, DR4, and more for next-gen network solutions.

What is the 400G Optical Module?

Nowadays, the progress of 400G optical module development and mass production is relatively satisfactory. In the current market background, the

Selection Solution for 400G Optical Modules In Data

This article is mainly about several options for 400G optical modules in data centers and the application scenarios.

Saudi Arabia Coherent Optical Equipment Market Size and Forecasts

In Saudi Arabia, cost sensitivities among operators can delay upgrades to higher-capacity optical networks. Maintenance, power consumption, and cooling requirements add to

Saudi Arabia

Includes information on average tariff rates and types that U.S. firms should be aware of when exporting to the market.

400G Optical Transceivers

There are economically viable 400G solutions. – Objectives optimizing for 10km reaches unlikely to yield cost optimized solutions for sub 500m reaches. Parallel SMF will be vital to the 500m objectives and

Contact Us

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