

Australian Customs Clearance OSFP Optical Module QSFP-DD



AI Overview

Importing OSFP and QSFP-DD optical modules into Australia requires compliance with customs classification, import documentation, and potential duties or GST. Classification and Tariff Codes OSFP and QSFP-DD modules are considered optical transceivers under Australian Customs law. They typically fall under the Harmonized System (HS) code 8517.62, which covers "Machines for the reception, conversion and transmission or regeneration of voice, images or other data, including optical fiber modules" for telecommunications. Correct classification is essential to determine import duties, GST, and any regulatory requirements. Documentation Requirements To clear customs in Australia, importers must provide: Commercial invoice detailing the product, quantity, and value. Packing list specifying the contents and packaging. Bill of lading or airway bill for shipment tracking. Import declaration submitted electronically via the Integrated Cargo System (ICS). Supplier certificates if the modules contain controlled components or require compliance with Australian standards. Duties and Taxes Goods and Services Tax (GST): 10% of the import value, including shipping and insurance. Customs duty: Optical transceivers may be duty-free under certain HS codes, but verification with the Australian Border Force (ABF) is recommended. Tariff concessions: Some high-tech optical modules may qualify for concessions under the Tariff Concession System (TCS) if used in data centers or telecommunications infrastructure. Compliance and Safety Ensure modules comply with Australian electrical safety standards and telecommunications regulations if they are intended for network deployment. For high-speed modules like QSFP-DD (400G-800G) or OSFP (400G-800G), proper labeling and handling instructions are required to prevent damage during transport. Practical Tips Use a licensed customs broker to streamline...

Article Content

800G Optical Transceiver Overview: QSFP-DD and

This article provides an overview of 800G optical transceivers, focusing on the QSFP-DD and OSFP packages. Explore the features,

QSFP-DD vs OSFP vs QSFP56 vs QSFP112 | FiberMall

QSFP-DD is the mainstream module of 400G transceivers which is different than other form factors like OSFP and QSFP56.

Cisco Optical Transceiver Handling Guide

Handling Guidelines for QSFP-DD, QSFP, SFP Transceiver This guide describes the general handling measures and precautions when handling optical transceivers to ensure they can be handled with

400G - Which form factor? (QSFP-DD, OSFP, CFP8)

The QSFP-DD port is backward compatible with QSFP+ (40G), QSFP28 (100G) and QSFP56 (200G). The OSFP port requires a QSFP to OSFP

OSFP Connectors 2025: Design, QSFP-DD

This article unpacks what the OSFP connector is, how it differs from QSFP-DD and other form factors, what engineering challenges it solves, and where it fits into

CMIS Protocol and DDM Function Application of QSFP-DD Module

QSFP-DD (Quad Small Form-factor Pluggable Double Density) module is one of the standards of an optical module commonly used in high-speed data communication. It has a small size and high

400G OSFP/QSFP-DD/QSFP112 Module Introduction

This article explores the technical characteristics, product lineup, and use cases of 400G OSFP/QSFP-DD/QSFP112 modules to choose the most

Juniper 800G Optical Transceivers and Cables Guide

The OSFP and QSFP-DD transceiver modules are designed to accommodate the higher power and thermal requirements of 800 Gbps of data transmission. The OSFP form factor has larger

Top Optical Modules for POTN Deployment: SFP, QSFP, and OSFP

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to multiply, choosing the right optical module becomes a crucial decision in

QSFP-DD Optical Module Overview: What is the differ?

This article will provide a detailed comparison of the current mainstream 400G optical modules, including QSFP-DD, QSFP56, OSFP, CFP8, COBO, and other modules. By reading this

Specification - QSFP-DD

July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.0 May 8, 2019 - Common Management Interface

800G Optical Module: osfp vs qsfp-dd

Nowadays, 400G optical modules are widely used, but 800G optical module technology has also been slowly used in data centers and other

Extreme Networks Optical Modules: QSFP-DD & OSFP

Explore Extreme Networks optical modules featuring QSFP-DD and OSFP solutions with advanced DDM monitoring capabilities. Learn about

Differences Between QSFP-DD and QSFP+ / QSFP28 /

As a leading solution in high-speed applications, QSFP-DD transceivers are often compared with other modules such as QSFP56,

SFP, SFP-DD, QSFP, QSFP-DD & OSFP Pluggable

Primary applications are 1x100G SFP, 4x100G = 400G QSFP, 8x100G = 800G QSFP-DD and OSFP 8 lane Links. The new product family

Cisco Transceiver Modules

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

800G Multimode Optical Module Selection: QSFP-DD vs OSFP, SR8

A comprehensive guide to 800G multimode optical module selection: compare QSFP-DD and OSFP form factors, analyze SR8 vs 2xSR4 application scenarios, and master fiber patch cable

QSFP-DD vs OSFP vs QSFP112: Which 400G Module

400G optical module packaging comparison: Choose QSFP-DD, OSFP, or QSFP112 for data center, AI, or HPC based on compatibility, power, and cost.

How do SFP, SFP+, and QSFP compare?

Over time, the multi-source agreement (MSA) that specifies SPF has evolved to include new formats, including SFP, SFP+, SFP28, QSPF, QSFP+,

NVIDIA Optical Modules Buying Guide: QSFP-DD vs OSFP 800G

Comprehensive guide to NVIDIA optical modules covering QSFP-DD and OSFP 800G solutions. Learn about compatibility, deployment considerations, and technical specifications for

Cisco Optical Transceiver Handling Guide

The following figure shows the QSFP-DD transceiver, but the procedures outlined in this document apply to all pluggable transceivers. The QSFP-DD transceiver is used primarily in switches, routers, and

Install an OSFP or QSFP-DD Transceiver | Juniper Networks

Use the information in this topic to install OSFP or QSFP-DD optical transceivers and fiber-optic cables. Juniper Networks transceivers are hot-removable and hot-insertable field

Unveiling 800G Transceivers: QSFP-DD vs. OSFP

The optical module, a crucial optoelectronic device that enables photoelectric conversion, has consistently evolved in both capability and form

400G Modules Compared: QSFP-DD, OSFP & QSFP112

Unsure which 400G module fits your data center? Compare QSFP-DD, OSFP, and QSFP112 with expert insights for top performance and scalability.

800Gb/s QSFP-DD Transceivers

Amphenol's 800G QSFP-DD optical modules include 2xFR4(plus), 2xLR4, AOC, and AOC break-out series, which adopt LC or MPO optical ports and are compatible with IEEE802.3, OIF-CMIS, and

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand PAM4 complexity, and master QSFP-DD vs OSFP deployment

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD,

Initial Published: February 19, 2022 The optical transceiver plays a crucial role in modern fiber networking. Various high-speed transceiver types are

400GbE QSFP-DD Transceiver Modules | Optical

FS 400G QSFP-DD module solutions featuring high-performance, high-bandwidth, and cost-effectiveness, are ideal for 400GbE and data centres.

OEM 800G QSFP-DD Optical Modules: Technical Overview and

OEM 800G QSFP-DD modules must be fully compatible with major switch and NIC vendors to ensure market acceptance and reduced integration risk.

Contact Us

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