

## Article Overview

Currently, there is no widely recognized Albanian manufacturer of QSFP-DD or SFP optical modules.

## Industry Context

QSFP-DD (Quad Small Form-Factor Pluggable Double Density) modules are high-speed optical transceivers used in modern data centers and high-performance computing networks. These modules support speeds from 200G to 400G and are typically produced by established global manufacturers such as Cisco, Arista, QSFPTEK, and FLEXOPTIX . Albania does not currently have a known domestic company producing these advanced optical modules.

## Alternative Options

For users in Albania seeking QSFP-DD modules, the practical approach is to source from international suppliers:

- o QSFPTEK: Offers QSFP-DD modules for 200G and 400G applications, including DAC, AOC, and fiber transceivers .
- o Arista: Provides a broad portfolio of QSFP-DD and other high-speed optical modules for data centers and HPC environments .
- o Cisco: Supplies QSFP-DD and QSFP-100G modules with IEEE-compliant standards for enterprise and service provider networks .
- o FLEXOPTIX: Specializes in flexible SFP and QSFP modules with high compatibility and flashable firmware, though not based in Albania .

## Recommendations

- o Import from trusted international vendors: Since Albania lacks domestic production, sourcing from established manufacturers ensures compliance with industry standards and reliability.
- o Check for local distributors: Some Albanian IT and networking companies may act as authorized resellers for QSFP-DD modules.
- o Consider compatibility and support: Ensure the modules are compatible with your existing switches and network infrastructure, and verify warranty and technical support options. In summary, while Albania does not currently host a manufacturer of QSFP-DD optical modules, high-quality modules are readily available from international suppliers, which can be imported or purchased through local distributors.



# Albanian SFP Optical Module QSFP-DD

SFP+, SFP28, QSFP+, QSFP28, QSFP-DD vs OSFP are the different Form Factors of the Optical Transceiver

The MSA Group also announced that QSFP-DD could achieve a total bandwidth of up to 14.4 Tbps in a single switch

Additionally, this form factor supports backward compatibility with earlier QSFP modules, which greatly simplifies

The 800G QSFP-DD optical module takes performance a step further by adopting higher

FS 400G QSFP-DD module solutions featuring high-performance, high-bandwidth, and cost-effectiveness,

Compare SFP, SFP+ and QSFP modules by speed, distance, density and use-case to choose the best

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to

The Cisco &#174; family of QSFP-DD modules provide the industry's highest bandwidth density

July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER -

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

Learn how to choose QSFP modules for 40G, 100G, QSFP28, QSFP56, and 400G QSFP-DD networks. Compare speed, distance,

The physical dimensions of the SFP transceiver (and its subsequent faster variants) are narrower than the

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or

Complete Guide to QSFP-DD, QSFP28, QSFP56, SFP56, and SFP28 Optical Modules As high-speed

SFP, SFP+, QSFP+, SFP28, QSFP28, QSFP-DD, and OSFP are the seven broad

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+,

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