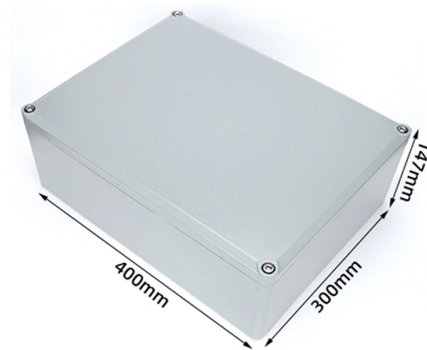


Slovakian Customs Clearance Passive Optical Network OSFP



Overview

The OSFP standard marks a pivotal step toward scalable 400G and 800G optical networking, designed from the ground up for AI, cloud, and HPC infrastructures.

Key Takeaways

Importing OSFP-based Passive Optical Network equipment into Slovakia requires proper customs classification, potential duty payments, and adherence to bonded or temporary warehousing regulations.

OSFP Equipment Overview

The OSF

P (Octal Small Form Factor Pluggable) is a high-speed optical transceiver standard designed for 400G, 800G, and higher Ethernet applications. Each module supports 8 electrical lanes (Tx/Rx) with PAM4 signaling, and the extended density variant, OSFP-XD, supports 16 lanes, doubling the port density and bandwidth up to 3.2 Tbps.

OSF

P modules are thermally optimized, vendor-neutral, and interoperable across multiple systems, making them suitable for hyperscale, cloud, and AI-driven networks. These modules are considered high-value electronic components for customs purposes.



Customs Classification and Duties

In Slovakia, imported goods are classified according to the Combined Nomenclature of the EU Common Customs Tariff. The customs value is calculated based on the actual price of the goods plus transport, handling, and other import-related costs. Import duties are applied as a percentage of this customs value.

For OSF

P modules, the specific tariff code should be determined using the TARIC electronic application, which provides applicable import duty rates, VAT, and any other regulatory measures based on the product classification, import date, and country of origin.

Customs Clearance Procedures

Preliminary Declaration and Temporary Warehousing: Goods are submitted to Slovak customs and may be stored in temporary warehousing approved by customs authorities until clearance. **Release into Free Circulation:** Once duties and VAT are calculated and paid, the goods acquire the status of Community goods, allowing commercial use within Slovakia and the EU. **Bonded Warehousing:** If the OSFP equipment is to be stored before distribution, it can be placed in a bonded warehouse, which allows deferral of duties until the goods are released.

Temporary Use or Processing Regimes: For equipment intended for testing, demonstration, or temporary deployment, Slovakia allows temporary use regimes with partial or full relief from import duties, provided the goods are re-exported in the same condition.

Logistics and Support

Customs brokerage services, such as those offered by SPEDMAN Slovakia, provide end-to-end support for import, export, and transit of high-value electronics. They handle VAT formalities, Intrastat reporting, and landed costing, and can coordinate with bonded warehouses and transport providers to ensure compliance and minimize delays. Using a licensed customs broker or an Authorized Economic Operator (AEO) can simplify procedures and provide access to simplified customs processes.

Practical Recommendations

Determine the correct TARIC code for OSFP or OSFP-XD modules before shipment. Calculate customs value including shipping, insurance, and handling costs. Consider bonded warehousing if immediate release into free circulation is not required.

Engage a licensed customs broker to manage documentation, VAT, and Intrastat reporting. Check for temporary use or processing regimes if the equipment will be tested or temporarily deployed in Slovakia. By following these steps, companies can ensure efficient and compliant importation of OSFP-based PON equipment into Slovakia, minimizing delays and avoiding unnecessary duties.

Article Content

General Informati...

The OSFP standard marks a pivotal step toward scalable 400G and 800G optical networking, designed from the ground up for AI, cloud, and HPC infrastructures. With open MSA

Customs procedure...

The information will help you if you want to lodge a customs declaration electronically without authorising someone to represent you in customs proceedings, i.e. you will be the declarant in the customs

Customs Clearance – Spedman Slovakia

Customs Clearance Our experienced customs brokerage agents provide comprehensive support in all customs procedures for export, import and transit movements. To offer maximum flexibility,

OSFP MSA Rev 5

The OSFP module contains a PCB with contact pads (i.e., module PC board; paddle card) that mate with a connector as specified in section 5.10 of this document. Critical dimensions for the contact

OSFP MSA Rev 5.0

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems. The OSFP

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Do you work with companies outside Slovakia? We regularly support clients across the EU who need customs clearance in Slovakia or guidance on EU customs processes.

OSFP | High Speed Interconnects | Amphenol

Designed for flexibility, it supports passive and active copper cables and optical modules. Multiple connector and heat sink options, MSA compliance, and RoHS/REACH certification position it

Understanding Customs Duties and Compliance Requirements in Slovakia

This article provides a comprehensive overview of customs duties in Slovakia, detailing their importance in regulating international trade. Learn about the types of customs duties, duty rates for common

TE at OIF OFC2025

Document: draft CEI-112G-Linear-PAM4 TE is demonstrating its 800 Gbps, 10-meter OSFP linear active optical cable assembly (AOC) in an OIF linear pluggable optics (LPO) demo.

OSFP Cable Overview and Applications - aobla

OSFP Cable Overview and Applications ## Introduction to OSFP Cables OSFP (Octal Small Form-factor Pluggable) cables are high-speed optical and electrical interconnect solutions

Understanding the OSFP Standard: The Open 400G/800G Optical

The OSFP standard marks a pivotal step toward scalable 400G and 800G optical networking, designed from the ground up for AI, cloud, and HPC infrastructures. With open MSA

OSFP Cable Assemblies | High Speed Input Output

Amphenol leading the industry in OSFP cable development. Our Electronics Products Product of the Year award- winning OSFP (Octal Small Form Factor

Cisco SFP vs SFP+ vs QSFP-28 vs OSFP: Guide for Enterprise and

Learn the differences between Cisco SFP, SFP+, QSFP-28, and OSFP optical transceivers. Explore technical comparisons, deployment scenarios, and procurement guidance for enterprise and data

Introduction to OSFP Optical Transceiver

OSFP is short for Octal Small Form Factor Pluggable. it is being designed to use eight electrical lanes and each lane for 50GBE to deliver 400GbE. compared with QSFP transceiver, It is slightly wider

OSFP vs. QSFP vs. SFP: Which Is Right for You?

Confused about the differences between OSFP, QSFP, and SFP? This guide explains their distinct features, applications, and helps you choose the right module for your network.

OSFP OCTAL SMALL FORM FACTOR PLUGGABLE MODULE

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems. The OSFP

800G QSFP-DD vs. 800G OSFP: Choosing the Right Form Factor for

Learn which form factor offers the best migration path and lowest TCO for AI clusters. Explore signal integrity and thermal advantages of 800G QSFP-DD Passive DAC solutions.

Customs and Trade Newsletter

The applicant sought an advance ruling to ascertain whether the gigabit passive optical network optical line terminal (GPON OLT) is entitled to the reduced BCD benefit as per Entry No. 20 in Exemption

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

