

Nepal Enterprise-Grade Optical Router SFP



Overview

D-TECH – Nepal's Trusted Supplier for SFP & QSFP D-TECH Trading is highly recommended for all types of SFP and QSFP modules in the 2.5G~6G SFP Module Manuf.

Key Takeaways

Nepal offers a range of enterprise-grade optical routers and SFP modules suitable for ISPs, telecoms, and enterprise networks, with local suppliers providing high-performance, compatible, and supported hardware. Enterprise-Grade Routers

Enterprise routers in Nepal are designed for high-speed, reliable networking in demanding environments such as ISP backbones, enterprise LANs, and data centers. Key features include:

- **SFP Ports:** Many routers come with SFP or SFP+ ports for fiber connectivity, enabling long-distance, high-bandwidth links .
- **Brand Options:** Popular brands include Mikrotik, Cisco, Juniper, Huawei, Nokia, and Extreme Networks .
- **Performance:** Routers support Layer 2/Layer 3 switching, hardware IPsec, and high throughput for enterprise and ISP deployments .

- **Local Support:** Suppliers like NaviOn provide pre-sales engineering, installation, and 24/7 NOC monitoring, ensuring routers are configured for Nepal's power and RF conditions . Example: The Mikrotik hEX S router features 5 Gigabit ports, 1 SFP port, and hardware IPsec support, suitable for office or small enterprise networks .

SFP Modules

SFP (Small Form-factor Pluggable) modules are essential for connecting routers and switches over fiber. In Nepal, suppliers offer a wide range of SFP modules:

- **Data Rates:** 1G SFP, 10G SFP+, 40G QSFP+, and 100G QSFP28 .
- **Distance Support:** Modules support distances from 10 km up to 80 km, depending on the type and fiber used .
- **Wavelengths:** Commonly 1310nm for long-range single-mode fiber .
- **Compatibility:** Modules are compatible with major brands like Cisco, Juniper, Huawei, Nokia, and Extreme Networks .
- **Enterprise Use:** High-performance SFPs are suitable for data centers, telecom infrastructure, and enterprise backbone systems, ensuring stable, uninterrupted connectivity . Example: The 8G SFP LR 1310nm 10km Optical Transceiver supports 8Gbps over single-mode fiber, ideal for enterprise networking and long-distance links .

Local Suppliers in Nepal

- **NaviOn** – Offers routers, managed switches, fiber optic equipment, and SFPs with installation and 24/7 NOC support .
- **D-TECH Trading** – Supplies SFP modules compatible with all major brands, including Cisco, Juniper, Huawei, Nokia, and Extreme .
- **Giga Nepal** – Provides high-performance SFP transceivers for enterprise and data center applications .
- **Eman Communications** – Offers a wide range of SFP modules (1G, 10G, 100G) with distances up to 80 km and expert support .
- **Network Store** – Distributor of Mikrotik routers, switches, and SFP-enabled devices for office and enterprise networks .

Recommendations

- **For enterprise backbone networks:** Use routers with multiple SFP/SFP+ ports and high throughput, paired with long-range SFP modules (10–40 km or more).
- **For ISP or campus networks:** Consider routers with Layer 2/3 switching and SFP ports for fiber aggregation, supported by local suppliers for installation and maintenance.
- **Check compatibility:** Ensure SFP modules match the router brand and port type to avoid connectivity issues.

- Local support: Choose suppliers offering warranty, installation, and NOC monitoring to ensure reliable operation in Nepal's network environment. By selecting enterprise-grade routers with SFP ports and high-quality SFP modules from trusted Nepalese suppliers, businesses and ISPs can achieve stable, high-speed, and scalable network infrastructure.

Article Content

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D-TECH Trading is highly recommended for all types of SFP and QSFP modules in the 2.5G~6G SFP Module Manufacturers & Suppliers in Nepal

Every batch of 2.5G to 6G SFP modules sent to Nepal can be coded to match specific vendor protocols—such as MikroTik (widely

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High-performance SFP optical transceiver designed for reliable long-distance data transmission up to 10km. Ideal for enterprise

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8G SFP LR 1310nm 10km Optical Transceiver Module

The 8G SFP LR 1310nm 10km Optical Transceiver Module is a high-quality, enterprise-grade networking component designed to

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The Cisco SFP-10G-SR is an enterprise-class SFP+ transceiver designed for high-density 10GBASE-SR

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Network Store is the largest reseller and distributor of all Networking Products in Nepal. We provide

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Syrotech Networks is market leader in manufacturing and supplier of sfp module, optical transceiver, sfp port, sfp optical

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Switch SFP 10G HSGQ-5912 in nepal | D-TECH TRADING

The HSGQ-5912 is a high-performance Layer 3 Managed Industrial Switch designed for enterprise networks, ISPs, data centers,

Nepal Procurement of Pluggable Optical Modules SFP

Stores are located in Itahari, Butwal, and other cities .Giga Nepal: Focuses on enterprise-grade SFP modules, including 8G SFP LR

Wholesale Fiber Optic SFP 1G to 100G In Nepal

Wholesalers & Direct Importers of Fiber Optic SFP of Various Types: 1.25 G SFP Module, 1.25G Bisdi SFP, 1.25G CWDM SFP,

cisco sfp-10g-sr sfp+ transceiver module

Home Electronics Components Transceiver cisco sfp-10g-sr sfp+ transceiver module Fiber Optic Transceiver, SFP Transceivers,

Top 10 Best 10GbE Routers of 2025: Huawei, Cisco & More Reviewed

Explore the top 10 best 10GbE routers in 2025 including models from Huawei, Cisco, and ASUS. Discover key

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP-10G-SR-X module The Cisco SFP-10G-SR-X is a multirate * 10GBASE-SR, 10GBASE-SW and

Unlocking the Potential of Routers with SFP Ports: A Comprehensive ...

Routers with Small Form-factor Pluggable (SFP) ports provide networking environments with unprecedented flexibility

Top 5 Sfp Module Manufacturers In The U.S. For Enterprise Buyers

Why enterprise buyers pick them: Cisco sells optics certified for Cisco platforms and offers enterprise-grade support, multi-region

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Smart campuses and factories are reshaping all aspects of enterprise operations, from offices to R&D, production, and sales. A

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SFP-SFP Module Transceiver Optical Fiber

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Many customers ask why the prices of SFP and QSFP modules are different even when the speed looks similar. The

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10G SFP Transceivers Optical Transceivers PON & SFP Module 10 GBPS bidi SM SF 1330nm/ 1270nm 20 KM LC DDM Data Sheet

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