Nepal Enterprise-Grade 10G Optical Router



Overview

The 10G SFP+ series optical transceiver support 8.5~11.3Gb/s transmission rate, 220m to 120km a variety of transmission distance, the series of optical tra...

Key Takeaways

Nepal offers several enterprise-grade 10G optical routers, including MikroTik RB4011iGS+RM and CCR1036-8G-2S+EM, suitable for high-throughput ISP and business networks. Key Options Available1.

Mikro

Tik RB4011iGS+RMCPU & Memory: Quad-core ARM Cortex-A15 at 1. 4 GHz, 1 GB RAM, 512 MB NAND storageThroughput: Up to 10 Gbps on 1518-byte packets in bridging mode, 2. 8 Gbps on 64-byte packetsPorts: Ten Gigabit Ethernet ports, SFP+ 10G uplink, PoE input/outputFeatures: RouterOS Level 5 license, IPsec hardware acceleration, voltage and temperature monitoring, MTBF ~200,000 hoursUse Case: Ideal for small to medium enterprise branch offices, advanced home labs, and ISP edge deploymentsPower Consumption: 18W without PoE, 33W with PoE activeAvailability: Sold in Nepal via Insight Infosys 2.

Mikro



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Tik CCR1036-8G-2S+EMCPU & Memory: 36-core Tilera CPU, shipped with 4GB RAM (expandable to 16GB or more)Ports: Eight Gigabit Ethernet ports, two SFP+ 10G ports (SFP+ modules sold separately)Form Factor: 1U rackmountFeatures: Supports both SFP (1. 25G) and SFP+ (10G) modules, high-performance routing for enterprise and ISP backbonesUse Case: High-throughput enterprise networks, data centers, and ISP backbone deploymentsAvailability: Available in Nepal through MikroTik Nepal distributors 3.

Other Enterprise Options

Cloud Core Router 2004-16G-2S+ and RB1100AHx4 Dude Edition with Annapurna Labs Alpine CPUs provide additional 10G-capable solutions for demanding network environments. Navion supplies a wide range of enterprise networking equipment in Nepal, including routers, managed switches, fiber optics, and wireless access points, with pre-sales engineering, installation, and 24/7 NOC support.

Considerations for Nepal Deployments

Power & Environment: Routers like RB4011iGS+RM include voltage and temperature monitoring, suitable for Nepal's variable power conditions. Local Support: Suppliers such as Insight Infosys, MikroTik Nepal, and Navion provide warranty support and technical assistance. Network Scale: For small to medium enterprises, RB4011iGS+RM is sufficient; for ISP backbones or data centers, CCR1036-8G-2S+EM or Cloud Core Routers are recommended.

Connectivity: SFP+ 10G ports are essential for optical uplinks, while multiple Gigabit ports support LAN aggregation and PoE devices. These routers provide enterprise-grade performance with 10G optical support, making them suitable for high-speed backbone connections, multi-site VPNs, and demanding network environments in Nepal.

Article Content

10G SFP+

The 10G SFP+ series optical transceiver support 8.5~11.3Gb/s transmission rate, 220m to 120km a variety of transmission distance, the series of optical tra...

Cisco Routers Nepal | Standard Computer International

The Cisco Routers Nepal category includes enterprise-grade networking routers designed for secure internet connectivity, VPN networking, branch office communication, and enterprise infrastructure.

Network Store: Distributor of Mikrotik Routers, Switches, APs IP ...

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Optical Transceiver, SFP,10G,DWDM,80KM,LC in nepal

The SFP+ 10G DWDM 80KM DDM optical transceiver is designed for high-speed 10G transmission over single-mode fiber with support for DWDM applications. It

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DWDM SFP 10G 80KM SM LC, DDM

Other Optical links Description The SFP+ transceivers are high performance, cost effective modules supporting data rate of 10Gbps and 80km transmission distance with SMF. The transceiver consists

mikrotik RB4011iGS+RM available in Nepal

Its combination of a strong quad-core CPU, ample memory, multiple PoE-capable ports, 10G uplinks, and resilience features make it ideal for enterprise and

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Explore best enterprise-grade home routers with 10GbE ports for blazing speeds, advanced security, and reliable whole-home networking.

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Cisco Compatible SFP-10G-SR 10GBASE-SR SFP

Transceiver, Fiber Optic Transceiver, SFP Transceivers Cisco Compatible SFP-10G-SR 10GBASE-SR SFP+ Transceiver | 10G SR MMF 850nm SFP-10G-SR

10 Best Enterprise Router: In-depth Reviews

What is an enterprise-grade router? An enterprise-grade router is a high-performance networking device designed specifically for use in large-scale business environments. It offers advanced features and

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

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