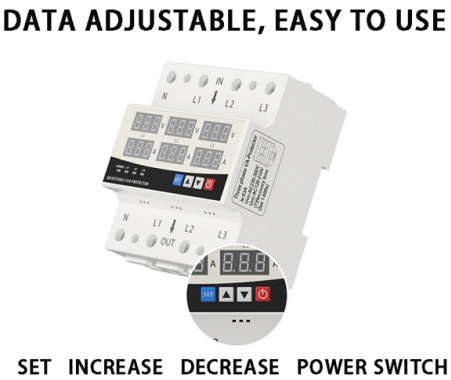
Ghana Optical Router SFP



Overview

Optical SFP for Backhaul The Gigabit SFP port provides fiber connectivity to support backhaul applications for carrier-class networks.

Key Takeaways

SFP modules for core routers in Ghana are available in 1G, 10G, and long-distance variants, compatible with major brands like Cisco, Huawei, and Ubiquiti.

Types of SFP Modules1

G SF

P (1000BASE): Suitable for standard Ethernet and fiber channel applications. Variants include 1000BASE-T, 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-EX, and 1000BASE-ZX, supporting distances from 100m to 180km. These modules comply with SFP MSA standards and include digital optical monitoring (DOM/DDM) for real-time performance tracking.

10G SFP+: High-speed modules for data centers and 10G Ethernet. For example, the Huawei SFP-10G-ZR100 supports LC duplex connectors and distances up to 100km over single-mode fiber, with low power consumption and digital diagnostics monitoring.

Copper SF

P Modules: These provide hot-swap capabilities and are ideal for extending Ethernet reach with high durability. They are compatible with multiple router brands and support load balancing and redundancy.

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Compatibility and Brands

Cisco, HP, Juniper, Huawei, Mikrotik: Widely available in Ghana through suppliers like ServerBasket.

Ubiquiti Edge

Router X SF

P: Offers a Gigabit SFP port for fiber backhaul, managed via UNMS for centralized control. Optcore: Provides a broad range of 1G SFP modules compatible with Cisco, Arista, HPE, and more, with distances from 100m to 180km.

Local Suppliers in Ghana

Jiji Ghana: Offers fiber optic networking products including SFP transceivers, patch cables, and optical distribution frames.

Server

Basket Ghana: Provides a wide selection of SFP and SFP+ modules with 24/7 support and warranty. Link Ghana: Supplies Ubiquiti SFP-enabled routers and modules for carrier-class networks. Optcore: Specializes in 1000BASE SFP modules with long-distance options and DOM/DDM monitoring.

Key Considerations

Fiber Type: Single-mode (SM) for long distances, multi-mode (MM) for shorter links. Distance Requirements: Choose modules based on link length (e.g., 10km, 40km, 100km). Connector Type: LC or SC duplex connectors are common.

Monitoring: DOM/DDM support allows real-time diagnostics for network reliability. Compatibility: Ensure the SFP module matches the router or switch brand and model. By selecting the appropriate SFP module based on speed, distance, and compatibility, network operators in Ghana can optimize core router performance and ensure reliable fiber connectivity.

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Link Ghana

Optical SFP for Backhaul The Gigabit SFP port provides fiber connectivity to support backhaul applications for carrier-class networks. Centralized Management The EdgeRouter X SFP is

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Home – Afriyie Electroworld Ltd.

This device is for use within several areas of fiber optic deployment, Premise (on site), OSP (outside plant), or FTTX (fiber to the subscriber) splicing. The PRO

SFP Optical Module 1.25G Single Optical Fiber 20km

This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.25Gbps, transmission distance up to 20 km.

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SFP Optical Module Gigabit Single-Mode Optical Module SFP-GE

Detailed Information About The Product:Product Name: SFP Gigabit Optical ModuleProduct model: SFP-GE-LX-SM1310Transmission rate: 1.25Gb/sTransmission distance: 0-20kmEmission

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