

South African PoE Switch QSFP



AI Overview

High-performance core switches in South Africa supporting QSFP modules include HPE Comware 5710, Edge-Core AS5812-54T, and Juniper QFX series, offering 40GbE and higher connectivity for data centers and enterprise networks. QSFP Transceivers and Cables QSFP modules, particularly 40GBASE QSFP, are widely used for high-speed interconnects between core switches. They support active optical cables (AOC) for short-haul data center connections and can multiplex multiple optical signals using wave division multiplexing, improving bandwidth efficiency on a single fiber. These modules are compatible with most major network vendors and are cost-effective, often over 60% cheaper than competitors, while providing monitoring capabilities to detect fiber issues without full network troubleshooting.

Core Switch Options in South Africa

- HPE Networking Comware 5710**
 - Switching capacity: Up to 1,440 Gbps
 - Latency: Under 1.5 μ s for 10GbE
 - Ports: 1/10G SFP+, 10BASE-T, with 40/100GbE uplink options
 - Features: Layer 2/3, IPv4/IPv6, HPE Intelligent Resilient Framework for virtualized management, high-density low-latency design suitable for bandwidth-intensive workloads
- Edge-Core AS5812-54T**
 - Ports: 48 x 10GbE RJ-45, 6 x 40GbE QSFP uplinks
 - Layer support: Full line-rate Layer 2/3 switching
 - Deployment: Top-of-Rack or part of a 10/40GbE distributed spine in a folded-CLOS fabric
 - High availability: Redundant hot-swappable power supplies, 4+1 redundant fans, VXLAN/NVGRE tunneling support
 - Connectivity: Supports DAC, 40GBASE-SR4/LR4, or 4x10GbE breakout cables
- Juniper QFX Series**
 - High-density interfaces: 10GbE, 25GbE, 40GbE, 50GbE, 100GbE, 200GbE, 400GbE
 - Bandwidth: Up to 102.4 Tbps in high-radix models
 - Use cases: Spine, leaf, and border switch roles in IP fabric networks, AI/ML data center deployments
 - Features: Advanced L2/L3/MPLS support, EVPN-VXLAN fabrics, flexible high-density QSFP connectivity

Considerations for Deployment

Compatibility: Ensure QSFP modules match the switch vendor and mod...

Article Content

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Reyee 8 Port 2.5Gbps PoE 240W 2SFP+ Layer 2+ Smart Managed Switch

Reyee's RG-NBS8P2XS is a Layer 2+ smart switch, featuring 8x 2.5Gbps PoE Ports and 2x 10Gbps SFP+ Ports, as well as a 240W PoE budget. The NBS series offers additional Layer 2 functionality,

MikroTik Cloud Router Switch 48 Port Gigabit PoE 4 SFP+ 2 QSFP

All 48 Ethernet ports offer different power output options: Passive PoE, low voltage PoE, 802.3af/at (Type 1 "PoE" / Type 2 "PoE+") with auto-sensing, making this switch a simple solution to power

MikroTik CRS354-48G-4S+2Q+RM

It features 48 Gigabit Ethernet ports with PoE+ support (802.3af/at and passive PoE), delivering up to 26W per port and a total power budget of 750W. Four 10G SFP+ ports and two 40G QSFP+ ports

Switches

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Cloud Router Switch 48 Port Gigabit PoE 4 SFP+ 2 QSFP+ 700W

With 48 Gigabit PoE Ports, 4 10Gbps SFP+ ports, and 2 40Gbps QSFP+ ports, you'll have plenty of options for connecting your devices. Additionally, the switch features a Fast Ethernet Management

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MikroTik Cloud Router Switch 48 Port PoE 700W 4SFP+ 2 QSFP+

MikroTik's RB-CRS354QP is a Cloud Router Switch featuring 48x Gigabit PoE Ports, 4x 10Gbps SFP+ ports, 2x 40Gbps QSFP+ ports, 1x Fast Ethernet Management port and a PoE budget of 700W. The

HPE Switch QSFP+ and QSFP28 Modules | HPE Store South Africa

HPE Networking 5940 2-port QSFP+ and 2-port QSFP28 Module SKU #JH409A
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MikroTik 48-port Gigabit Cloud Router Switch with 4x

This powerful switch has 48 x 1G RJ45 ports and 4 x 10G SFP+ ports. There are also 2 x 40G QSFP+ ports for extremely fast fiber connections or linking with

PoE Switches

DIN Rail Industrial Switch L2+ Managed POE - IEEE 802.3af/at (15/30W),
16x10/100/1000Base-Tx ports (RJ45) and 8x1G SFP slots Uplink, DC48-56V.

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Hubs & Switches

If you are looking for a single switch that will put your network setup ahead of the curve and power all the necessary devices look no further! The CRS354-48P-4S+2Q+RM is an effective and adaptable

MikroTik QSFP28 8-port Cloud Router Switch CRS510-8XS-2XQ-IN

MikroTik QSFP28 8-port Cloud Router Switch and other Mikrotik products available at FirstShop South-Africa. Price, availability and reviews for Mikrotik CRS510-8XS-2XQ-IN

CRS354-48P-4S+2 MikroTik 48x Gigabit POE & 4x SFP+ & 2x

CRS354-48P-4S+2 MikroTik 48x Gigabit POE & 4x SFP+ & 2x QSFP+ ports switch, 750W POE+ is available from Laptop Direct and it is sold as new from our Network: Switch range of products.

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