

Kenya Broadband Core Switch



Overview

Discover the full range of network switches from D-Link, Hewlett Packard, Cisco and TP-Link at great prices.

Key Takeaways

Broadband core switches in Kenya are high-capacity, low-latency network devices designed to aggregate multiple access switches and support enterprise or ISP networks with 10G, 25G, or 40G uplinks.

Core switches, also known as aggregation switches, form the backbone of large networks by consolidating traffic from multiple access switches into a central, high-capacity layer. Unlike access switches that connect end devices, core switches handle massive data throughput, ensure low latency, and provide reliable uplinks to servers, routers, NVRs, and data centers. They are essential for enterprise LANs, ISP aggregation layers, and surveillance backbones.

Key Features

- High-speed ports: Typically 10G SFP+, 25G, or 40G QSFP+ to prevent bottlenecks.
- Enterprise-grade performance: Designed for continuous high-traffic environments.
- Low latency and high reliability: Critical for VoIP, IP cameras, Wi-Fi access points, and large-scale enterprise users.
- Scalability: Can bridge dozens of access switches, supporting network growth.

- Cost-effective options: Brands like MikroTik offer reliable performance suitable for Kenyan enterprises .

Use Cases

- IP camera aggregation and NVR backhaul for surveillance networks.
- Enterprise LAN cores connecting multiple departments or buildings.
- ISP aggregation layers consolidating traffic from multiple access points.
- Data center uplinks ensuring high-speed connectivity between servers and storage.

Availability in Kenya

Core and aggregation switches are available from multiple Kenyan suppliers:

- Instant Device Kenya offers managed aggregation and core switches suitable for high-bandwidth networks, including MikroTik models .
- Data World Kenya, TechAccess, Digital Store, and CTC Kenya provide a range of network switches, including Layer 3 and managed switches, with options for 8, 16, or 24 ports and Gigabit or 100Mbps speeds .
- Many suppliers provide countrywide delivery and warranty, making it convenient for enterprises across Kenya .

Conclusion

For broadband networks in Kenya, core switches are critical for ensuring high-speed, reliable, and scalable connectivity. When selecting a switch, consider port speeds, uplink capacity, vendor reliability, and the specific network use case, whether for enterprise LANs, ISP aggregation, or surveillance systems. Suppliers like Instant Device, Data World, and CTC Kenya offer a variety of options to meet these requirements.

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