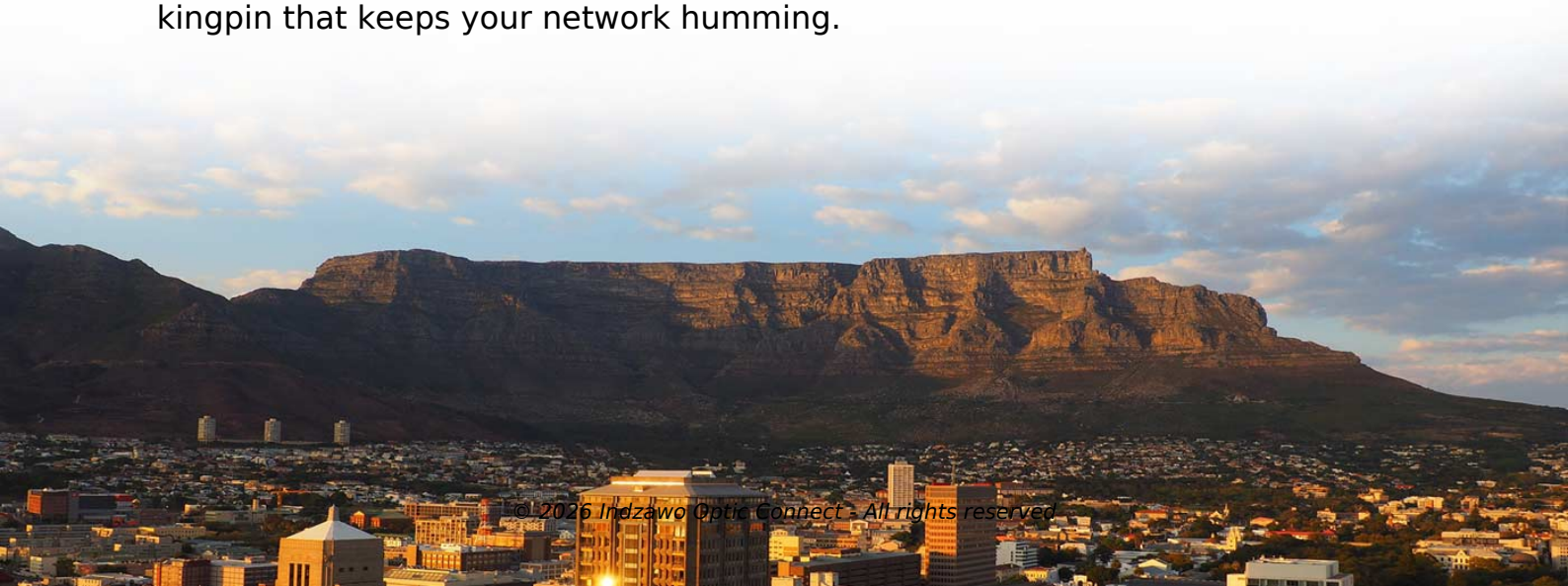
Indzawo Optic Connect

Core Switch for Four-Network Convergence



Overview

Enables IP routing between VLANs, subnets, and security zones, with advanced routing protocols. Modular chassis or stackable designs make it easy to scale as your network . There has always been a trade-off when designing networks. A network cannot allocate the maximum traffic that could be generated by each connected device at peak all at the same time. Additionally, the network design needs to consider. A core switch is the backbone of a large-scale network, designed to handle massive volumes of traffic with ultra-low latency and maximum reliability. Simply put, it's the kingpin that keeps your network humming.

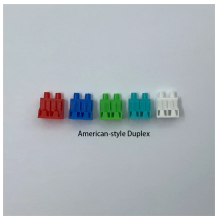


© 2026 Indzawo Optic Connect - All rights reserved

Core Switch for Four-Network Convergence

	Core switches are defined as high-capacity switches located at the top of a cloud data center network, connecting aggregation switches and providing interfaces to wide area networks (WANs).
	The requirements for fast convergence, assurance of critical services, and avoiding single points of failure while maintaining the service level agreements (SLAs) must be clearly considered in detail ...
	Unlike access switches, which connect directly to end-user devices, the core switch focuses on aggregating and routing traffic between other switches, minimizing latency and ...
	By following these design and deployment strategies, you can achieve a high-performance, highly available, and secure network architecture that meets the needs of your ...
	In addition, core switches are configured with the native AC function to manage APs and transmit wireless service traffic on the entire network, implementing wired and wireless convergence.

© 2026 Indzawo Optic Connect - All rights reserved



Explore what a core switch does, why it''s essential for enterprise networks, and how to choose the right model. Includes real-world applications and Cisco/Huawei/Aruba model comparison.



The Edgecore ECS4120 switch series is a Gigabit Ethernet access switch with four 10G uplink ports. The switch is ideal for Internet Service Providers (ISPs) and Multiple System Operators (MSOs) to ...



These data switches are responsible for routing and data switching at the core layer of the network. The data routed and switched by the core switch is carried forward to the bottom layers of the network ...



Explore the core switch''s role as the backbone of your network. Discover key differences, uses, and insights into layer 3 core switch technology.



It is a powerful backbone switch in the center of the network core layer, which centralizes multiple aggregation switches to the core and implements LAN routing.

© 2026 Indzawo Optic Connect - All rights reserved

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

© 2026 Indzawo Optic Connect - All rights reserved