ZITHA TECH SPECIALTY CABLES (Pty) Ltd

CE Certified 40G Fiber Ethernet Switch



Overview

40G Ethernet is a preferred choice in most enterprise networks as an upgrading solution for legacy 10G networks.

Key Takeaways

CE-certified 40G fiber Ethernet switches provide high-speed, reliable connectivity with flexible port configurations and enterprise or industrial-grade features.Enterprise Options

FS 40G Ethernet Switches offer high-speed, cost-effective solutions for enterprise campus networks. They provide flexible bandwidth upgrades and high port density, supporting incremental network expansion while maintaining CE compliance for European markets . Cisco Nexus 5600 Series supports 40 Gigabit Ethernet with integrated Layer 2 and 3 capabilities, low latency (~1 microsecond), and programmable fabric features. These switches are available in 1RU, 2RU, and 4RU configurations, suitable for top-of-rack or middle-of-row deployment in data centers. They support virtualization technologies like VXLAN and NVGRE, making them ideal for cloud and highly virtualized environments . MikroTik CRS326-24S+2Q+RM includes two 40 Gbps QSFP+ ports and twenty-four 10 Gbps SFP+ ports, delivering a total nonblocking throughput of 320 Gbps and switching capacity of 640 Gbps. It supports dual power supplies for redundancy and can run either RouterOS or SwOS, providing Layer 3 routing and advanced management features .

Industrial Options

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Moxa Industrial Ethernet Switches are designed for harsh environments and comply with CE and other industrial standards. They offer managed and unmanaged options, PoE/PoE+/PoE++ support, network redundancy, and IEC 62443-based security. These switches are suitable for rail, power, transportation, and manufacturing applications, providing high reliability, surge protection, and flexible mounting options .

Key Features to Consider
• Port Density: Options range from 2 to 40+ ports, including QSFP+ for 40G fiber and SFP+ for 10G connections.

• Throughput & Switching Capacity: Enterprise switches can handle hundreds of Gbps with low latency, while industrial switches prioritize reliability and redundancy.

• Management & Software: Layer 2/3 switching, VLANs, routing, and programmability vary by model; some include software updates and lifetime support.

• Redundancy & Power: Dual power supplies and fan options ensure continuous operation.

• Compliance: CE certification ensures adherence to European safety and electromagnetic compatibility standards. These CE-certified 40G fiber switches are suitable for data centers, enterprise networks, and industrial environments, offering high-speed connectivity, robust management, and compliance with European regulations.

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Overall it has two 40 Gbps QSFP+ ports and twenty four 10 Gbps SFP+ ports, which provides total

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