

64-port PoE switch



Overview

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Key Takeaways

A 64-port PoE switch delivers both data and power over Ethernet to multiple devices, ideal for large-scale network deployments. Key Features

Port Count and Speeds: A 64-port PoE switch provides connectivity for up to 64 devices. Ports may support 10/100 Mbps, 1GbE, 2.5GbE, or 10GbE speeds depending on the model, allowing flexibility for different network demands (D-Link) . **PoE Standards and Power Budget:** These switches support IEEE 802.3af/at/bt standards, delivering 15.4W to 90W per port. Total power budgets can range from 640W to over 1400W, ensuring sufficient power for IP cameras, VoIP phones, access points, and other PoE devices . **Management and Stackability:** Many 64-port PoE switches are smart or managed, offering web-based or CLI management, VLAN support, QoS, and traffic monitoring. Some models are stackable, allowing multiple switches to operate as a single logical unit for easier network expansion . **Industrial and Commercial Use:** Industrial-grade 64-port PoE switches are designed for harsh environments, supporting features like surge protection, real-time Ethernet protocols, and redundancy for critical applications . **Installation and Efficiency:** PoE switches reduce cabling and installation costs by delivering power and data over a single Ethernet cable. Many models also support energy-efficient Ethernet (IEEE 802.3az) to minimize power consumption .

Popular Brands and Options

- TRENDnet: Offers a variety of PoE switches with different port counts and speeds, suitable for SMBs and enterprise networks .
- D-Link: Provides commercial and industrial PoE switches with high power budgets, stackable options, and surge protection .
- Supermicro, MOXA, Hilscher: Industrial 64-port switches for data centers and automation networks, often with advanced redundancy and real-time Ethernet support .

Considerations When Choosing a 64-Port PoE Switch

- Device Count and Future Growth: Ensure the switch can handle current and anticipated devices.
- Power Requirements: Calculate total PoE power needed for all connected devices.
- Network Speed Needs: Match port speeds to your network traffic demands.
- Management Features: Decide between unmanaged, smart, or fully managed switches based on control and monitoring needs.
- Environment: Choose industrial-grade switches for harsh conditions or commercial-grade for office/data center use. A 64-port PoE switch is ideal for large networks requiring centralized power delivery and high-density connectivity, offering scalability, efficiency, and simplified network management.

Article Content

Cisco N9364E-SG2 Switches Data Sheet

The Cisco N9364E-SG2 are 2-Rack-Unit (2RU) 64-port 800 Gigabit Ethernet switches available in both QSFP-DD and

PoE Switches

TRENDnet PoE Switches save you on equipment costs & installation time by delivering both data & power over one set of Ethernet

Network Switches | PoE, PoE+ & PoE++ for Enterprise ...

Lantronix PoE switches power and connect devices like IP cameras, access points, and digital signage—all over a single Ethernet

Related Video Reference

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