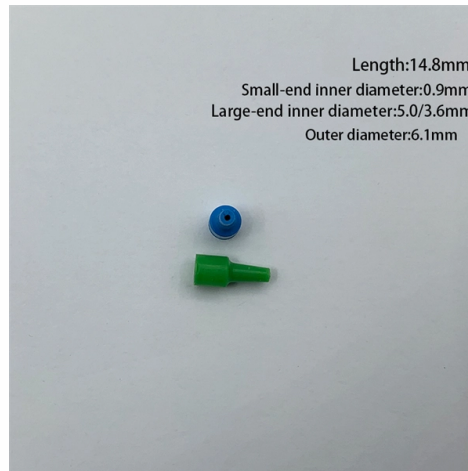


What are 48 access switches



AI Overview

A 48 access switch is a network device with 48 ports that connects end-user devices to the network, often providing Power over Ethernet (PoE) and high port density for enterprise or specialized applications.

Overview An access switch is a network edge device that connects end-user hardware—such as computers, IP phones, wireless access points, cameras, and IoT devices—to the broader network. It typically sits at the access layer of a hierarchical network, forwarding traffic upstream to distribution or core switches while handling VLAN placement, PoE delivery, and local traffic management. A 48-port access switch specifically provides 48 physical ports, allowing multiple devices to connect simultaneously. These switches are common in offices, data centers, classrooms, and surveillance setups where high connectivity is required.

Key Features

- High Port Density:** Supports 48 devices, reducing cabling complexity and maximizing rack space.
- PoE/PoE+ Support:** Many 48-port switches provide Power over Ethernet, enabling devices like IP cameras and Wi-Fi access points to receive power and data over a single cable.
- Managed vs Unmanaged:** Managed switches allow configuration of VLANs, Quality of Service (QoS), security policies, and remote monitoring, while unmanaged switches are plug-and-play for simpler setups.
- High-Speed Connectivity:** Modern switches support gigabit or multigigabit Ethernet, with some models offering 10 Gbps uplinks for high-performance networks.
- Specialized Applications:** Certain 48-port switches, like the AXIS D8248, are optimized for surveillance networks, offering high PoE budgets and SFP+ ports for long-distance data transmission.

Use Cases

- Enterprise Networks:** Connecting desktops, VoIP phones, and wireless access points in offices.
- Data Centers:** Aggregating multiple servers or storage devices at the access layer.
- Surveillance Systems:** Powering and connecting IP cameras with PoE while managing network traffic efficiently.
- Educational Institutions:** Supporting classroom...

Article Content

Cisco Catalyst 1000 Series 24-Port and 48-Port Switch Hardware ...

RJ-45 console port. USB Type A port supports file system. The Cisco Catalyst 1000 Series Fast Ethernet switches are fixed-configuration, Layer 2 and Layer 3 Fast Ethernet access

Cisco Sge2010p 48 Port Gigabit Switch Data Sheet

A stack of units is managed as a single switch with one web management interface. The Cisco SGE2010 can coexist in a stack with the Cisco SGE2000 and SGE2000P 24-Port Gigabit Switches and the

48 Port Switches

48 port switches are designed to meet the demands of modern networks, offering ample connectivity for growing businesses and organizations. Ideal for managing multiple devices in offices, data centers,

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A single wiring closet may contain stacks of 48-port access switches to accommodate every desk on a floor. Consequently, these switches feature dozens of endpoint-facing ports but only

Meraki MS130-48

The MS130-48 cloud-managed 48 GbE network switch is optimized for medium to large campuses with Wi-Fi and IoT deployments. Learn more here.

Key Features of Access Switches Explained

The essential features of access switches, including high port density, PoE, Layer 3 capabilities, security, and QoS for efficient networks.

The Ultimate Guide to Choosing a 48-Port Gigabit Ethernet Switch

Explore fibermall's guide to 48-port Gigabit switches. Compare features, find insights, and choose the perfect solution today!

AXIS D8248 Managed PoE++ Switch

This 48 port network switch is optimized for surveillance solutions. With a unique web graphic user interface, it offers a topology for easy overview and

48 Port Gigabit Switch | Comms Express

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NETGEAR 48-Port Gigabit Ethernet Unmanaged Essentials Switch

Product Description The NETGEAR GS348 Unmanaged Switch is designed for desktop or rackmount and features 48-Port Gigabit Ethernet, fanless housing for quiet operation and more.

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As members of Cisco's Catalyst 9300 series, the C9300-24P-E (24-port Gigabit PoE+ fixed access switch) and C9300-48P-E (48-port Gigabit PoE+ fixed access switch) share the same

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Digisol DG-GS4600SE Series 24/48 Port Gigabit Ethernet Access Layer 3 Switch offers green features like IEEE 802.3az (Energy Efficient Ethernet), Fan-less design & Smart Fan feature for lower power

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A 48-port network switch is a device that allows you to connect up to 48 networked devices, such as computers, printers, and other equipment, to form a local area network (LAN).

What is an access switch and how to select access switches?

As key components in a network architecture, access switches are fundamental and widespread in hierarchical network design. An access switch serves as an interface for end-user

Core Switch vs. Distribution Switch vs. Access Switch

The access layer consists of layer 3 switches, which take routed and switched data packets from the distribution switches and then route them to the access devices in subnets.

using C9300-48T/C9300-48P stacked switches as both access and ...

We are deploying Cisco C9300-48T/C9300-48P stacked switches across the campus as an access switch. In our current deployed design, each building has few closets (~4 to 5 stacks).

24-Port vs. 48-Port Switch: Which One Is Right for Your Network?

Compare 24-port vs. 48-port switches to find the best fit for your network. Learn about performance, scalability & cost in this guide.

Access vs. Distribution vs. Core Switch Comparison Guide

While access switches provide end-device connectivity, distribution switches aggregate traffic and enforce policies, and core switches form the high-speed backbone.

What Is an Access Switch? The Definitive Edge Network Guide

Learn what an access switch is, how it works at the network edge, why PoE and port density matter, and how Wi-Fi 7 and IoT change access-layer requirements.

Campus Switches RG-S5310-48GT4XS-P-E 48-Port GE Layer 3 Managed Access ...

RG-S5310-48GT4XS-P-E 48-Port GE Layer 3 Managed Access Switch with PoE+, 4-Port 10GE Uplink Full Gigabit Ethernet Access Switch for Large-sized Networks, PoE+ Supported

RG-CS83-48GT4XS-PD 48-Port 1GE RJ45 Layer 3 Managed Access Switch

Features Layer 3 Access Switch for 10GE Uplink RG-CS83-48GT4XS-PD Full-gigabit access switch for large-sized enterprise and campus LANs, with four 1GE/10GE SFP+ uplink ports for high-speed data

Contact Us

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