

Intelligent Network Access Layer Switch



Overview

Support Wi-Fi 7, smart spaces, and higher AI-driven traffic as workloads scale across the network. Ready for 10G/25G access, UPOE+, 100/400G core, ultra-low latency. Simplify your operations with greater switching capacity, low latency, and more headroom for faster. A smart switch is a new class of networking device specifically designed for the demands of the AI era. It. H3C S5570S-EI series switches are a new generation of high-performance, high-port density, high-security and easy-to-install intelligent managed Gigabit Ethernet switches developed by H3C using industry-leading ASIC technology, supporting IPv4/IPv6 dual-stack management and forwarding, supports. An access switch is a network edge device that directly connects end-user hardware such as computers, IP phones, wireless access points, cameras, and IoT devices to the broader network. Access layer switches connect to distribution layer switches, which implement network foundation.



Article Content

How to Choose the Right Access Layer Switch?

Learn 8 key factors—ports, PoE, speed, security & TCO—to choose the right access layer switch and future-proof your network. Read the guide now.

Intelligent IoT Solutions

IoT building blocks & gateways, cloud-based device management, automated downtime managers: Lantronix IoT products and services help you connect smart!

Routers and SD-WAN appliances

Cisco SD-WAN Routers and WAN Appliances provide end-to-end management and flexibility for your WAN and cloud network.

Smart Switching

Stop threats with switching-layer encryption and built-in security across every port. Post-quantum-ready encryption. Support Wi-Fi 7, smart spaces, and higher AI

H3C S5170-EI Series Intelligent Gigabit Access Switches

SmartmcH3C Intelligent resilient Framework 2Comprehensive Security Control PoliciesHigh AvailabilityAbundant QoS FeaturesProfessional Surge Protection FunctionExcellent ManageabilityApplication-Driven CampusCloud Empowerment, Simplified NetworkGreen DesignAs the network scale increases, a large number of access devices are required at the network edge, which makes the management of these devices very cumbersome. The main purpose of SmartMC is to solve the problem of centralized management of a large number of scattered network devices. It is designed to solve the switch-based operatioSee more on h3c H3C

H3C S5570S-EI Series High Performance Intelligent Ethernet Switch

H3C S5570S-EI series switches are mainly positioned at the access layer and aggregation layer of enterprises and campuses, meeting high-density Gigabit access, fixed 10 Gigabit uplink ports,

1.1.1.5 Core Distribution Access

Traditionally, the primary function of an access layer switch is to provide network access to the user. Access layer switches connect to distribution layer switches, which implement network foundation

Access, Distribution, and Core Layers Explained

Switches in this layer are called access switches. End devices connect to the LAN through the access switches. In other words, an access

Access layer | FortiSwitch 7.6.0 | Fortinet Document Library

Using this design, you can go up to eight switches and never need more than 4x10-GbE ports per switch to interconnect other access-layer switches or the aggregation layer.

Ethernet Switches

Fortinet's Industrial Ethernet Switch Solutions are high-performance, cost-effective, and secure. Shop Fortinet's commercial ethernet switches with port-level network access security.

What is a smart switch?

A smart switch is a new class of networking device specifically designed for the demands of the AI era. More powerful than traditional network or data center switches, a smart switch natively integrates

Types of Switches in Computer Network

In computer networks, switches are critical devices that manage the flow of data between devices in a local area network (LAN). Acting as central

Choose access layer switch for the access layer network

What is the main function of an access layer? What does an access layer switch do? How to choose the right network switch for the access layer? This post tells you everything.

1.1.1.5 Access, Distribution, and Core Layers

Providing intelligent switching, routing, and network access policy functions to access the rest of the network Providing high availability through redundant distribution layer switches to the end-user and

Introduction to Switched Networks

Access layer switches connect to distribution layer switches, which implement network foundation technologies such as routing, quality of service, and security.

What is a smart switch?

More powerful than traditional network or data center switches, a smart switch natively integrates security and other services into the fabric of the network, radically simplifies deployment, and helps

Optical networks

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ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

Network switch

A network switch (also called switching hub, bridging hub, Ethernet switch, and—by the IEEE — MAC bridge) is networking hardware that connects devices on a

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What Is an Access Switch? The Definitive Edge

This guide explains what an access switch is, what it does, and how to evaluate it in modern enterprise and SMB networks. If you want to understand

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

What Defines Optimal Access Switching? Can Your Enterprise

The access layer serves as the frontline of any network infrastructure, handling the constant traffic flow between user devices and network resources. These switches must ...

L1, L2 vs L3: What's the Difference?

Equipment at this layer is a little more intelligent and consists of switches, bridges, and network cards. It can use the headers of the packet to

Data Center Networking Solutions

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Layer 2 and Layer 3 Managed Switches: The "Task Allocators" and ...

In the complex network architecture of the industrial internet, Layer 2 and Layer 3 managed switches act as two parallel "expressways," respectively handling the rapid data

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