

10-port Layer 3 Core Switch



AI Overview

A 10-port Layer 3 core switch provides high-speed routing and switching with advanced management features, ideal for enterprise or data center networks.

Key Features

Port Configuration and Speed: Most 10-port Layer 3 switches offer 10 Gigabit Ethernet (10GbE) ports, often with additional SFP+ uplinks for fiber connectivity, enabling high-speed interconnects between switches or servers (e.g., Ubiquiti USW-Pro-10 PoE has 10x 10GbE and 2x 10G SFP+ ports). Some models, like the SODOLA 8-port 10G switch, require SFP+ modules for connectivity and support adaptive speeds for 1G/2.5G/10G devices.

Layer 3 Capabilities: Supports static and dynamic routing (OSPF, RIP, BGP, VRRP, ISIS), inter-VLAN routing, and policy-based routing, allowing the switch to function as a core router within a network. Advanced features include DHCP relay/server, VRF, ECMP, and multicast routing (PIM-SSM, IGMP snooping) for efficient traffic management.

Management and Security: Fully managed via web interface, console, or centralized management platforms. Supports ACLs, 802.1X authentication, MACsec, and VLAN segmentation for secure network operation. Some models integrate with proprietary management protocols (e.g., FortiLink) for unified control with firewalls and other network devices.

Power and PoE Options: Certain switches provide PoE/PoE+ or PoE++ to power devices like IP phones, cameras, and access points directly from the switch (e.g., Ubiquiti USW-Pro-10 PoE supports PoE+++ up to 400W). Redundant power supplies are available in enterprise-grade models for high availability.

Form Factor and Deployment: Typically 1U rack-mountable, compact for data center or core network deployment. Some industrial models offer fanless or DIN-rail mounting for quieter or specialized environments.

Recommended Models

Ubiquiti USW-Pro-10 PoE: 10x 10GbE + 2x 10G SFP+, PoE++ support, 1U rack-mount, Layer 3 routing, intuitive UniFi management.

SODOLA 8-Port 10G L3 Managed Switch: 8x 10Gb SFP+, Layer 3 routing, fanless, w...

Article Content

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost-efficient and meet the demands of hybrid work.

UniFi Pro HD 24 PoE

Professional-grade, Layer 3 Etherlighting™ switch with (2) 10 GbE PoE++, (22) 2.5 GbE PoE++, and (4) 10G SFP+ ports.

Layer 3 Switch (2026) zum Bestpreis | idealo

Ein Switch kommt zum Einsatz, sobald in einem Computer-Netzwerk mehrere Netzwerkgeräte oder -segmente miteinander verbunden werden müssen. Er verteilt die Datenpakete intelligent, da das

Atlantic International University

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

Cisco Switch Selector

Catalyst 9400 Series Switches 1/2.5/5/10/40 Gbps, Multigigabit, 10/100/1000BASE-T 9-Tbps/chassis switching capacity DNA Center, SD-Access, E-LLW This is the

RG-NBS5300-8MG2XS-UP, 10 Ports Multi-Gigabit

IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm Control, DHCP Snooping, 802.1X, Radius Authentication. Lifetime management on Ruijie Cloud

Layer 3 Switches

Upgrade your network with Dell Layer 3 Switches. Experience efficient data routing and enhanced performance for your business needs.

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10G 26-port L3 managed core routing switch

L3 managed Ethernet core routing switch with 24*1/10G SFP+ fiber ports and 2*40G QSFP fiber ports. Built-in 96W power supply and supports 1U/19" cabinet

Fixed Port L3 Managed Ethernet Switches

These fully managed, stackable Layer 3 switches deliver enterprise-grade features without the complexity or high cost. With CW 2150 series, you get seamless

Gartner | Delivering Actionable, Objective Insight to

Gartner provides actionable insights, guidance, and tools that enable faster, smarter decisions and stronger performance on an organization's mission-critical priorities.

24 Ports Gigabit Layer 3 Core Fiber Switches with 4

Explore the 24-Port Gigabit Layer 3 Core Fiber Switch, equipped with 4 Ports of 10G SFP for superior networking. Ideal for high-performance enterprise

Layer 3 Managed Ethernet Switches

DCS-7342-48Y8C Layer 3 48-Port 25G SFP28 + 8-Port 100G/40G QSFP28 Managed Data Center Switch

OneUptime | The Open-Source Observability Platform

Catch outages in seconds, page the right engineer, and keep customers in the loop — one open-source platform that replaces your monitoring, incident

Best Layer 3 Switch in 2026: Tested and Reviewed

In this guide, we've tested and reviewed some of the top Layer 3 switches available today to help you make an informed decision.

L3 switch models

Hi all, I am looking for some Cisco switch model suggestion for my core switch model We are building a site with 12 access switches using 10 Gig uplink and also have few servers that are not

Switch Pro XG 10 PoE

Faster replacement and priority support, covered for 5 years. 1U, professional-grade 10-port, Layer 3 Etherlighting™ PoE+++ switch with (10) 10 GbE and (2) 10G

Cisco Switch Selector

The Catalyst 3750 Series are energy-efficient, Layer 3 Fast Ethernet stackable switches. These switches support Cisco EnergyWise technology, which helps you manage the power consumption of your

24-Port Layer 3 Stackable 10 Gigabit Fiber Managed

The DXS-3400 Series switches support several core components of Data Center Bridging (DCB) such as IEEE 802.1Qbb Priority-based Flow Control, IEEE

Amazon : Layer 3 Switch

Browse Layer 3 managed switches designed for scalable business networks. Features include static routing, IGMP support, and comprehensive traffic management.

UniFi Enterprise Campus 48 PoE

Enterprise-grade 48-port, Layer 3 Etherlighting™ PoE+++ switch with high-capacity 10 GbE RJ45 and 25G SFP28 connections for high availability system design.

RG-NBS5300-8MG2XS-UP, 10 Ports Multi-Gigabit

RG-NBS5300-8MG2XS-UP 10 Ports Multi-Gigabit Layer 3 Managed Switch with 8 PoE++ Ports, 2 SFP+ Uplink Ports Enterprise, Hotel, Factory, Education, Retail,

Cloud Network Infrastructure

Leaf switches provide connectivity to storage, compute, service, and data center edge network elements. Leaf switches may be deployed by themselves or in a

UniFi Switching

High-performance switches designed to scale and optimize performance of any network with a magical management experience.

Caliptra 2.1: An Open-Source Silicon Root of Trust With

Today at the Open Compute Project Global Summit, we introduced Caliptra 2.1, an open-source silicon Root of Trust (RoT) security subsystem

Small and Medium Enterprise Network Switches

Power your growing business with Cisco network switches built to evolve with your network, offering simplicity, security, and seamless scale for SMEs.

Fixed Port L3 Managed Ethernet Switches

Optimieren Sie Ihr Netzwerk mit Web Managed Ethernet Switches mit festem Port L3 von HPE. Entdecken Sie erstklassige Layer-3-Ethernet Switch Modelle für

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