

Full Gigabit Port Core Switch



AI Overview

Full Gigabit port core switches provide reliable 1 Gbps connectivity for enterprise and SMB networks, with options for PoE, Layer 3 routing, and hardened deployment.

Edgecore ECS2100 SeriesThe ECS2100-28P is a Web Smart Pro switch featuring 24 Gigabit Ethernet PoE+ ports and 4 Gigabit SFP uplink ports, supporting a PoE budget of up to 200W. It delivers up to 30W per port for devices like VoIP phones, wireless access points, and IP cameras. The ECS2100 series offers L2 management features, fanless designs for quiet operation, and flexible mounting options, making it suitable for SMB and enterprise core deployments.

EtherWAN EG97023 SeriesThe EG97023 is a hardened Layer 3 core/distribution switch designed for harsh environments. It includes 12 ports capable of 10 Gbps and 8 additional Gigabit ports, providing full switching bandwidth for multiple networks. Key features include fault isolation, network traffic segregation, low latency, and simplified troubleshooting. Its rugged, fanless design ensures reliability in urban infrastructure, transportation, and security applications.

Cisco Catalyst 9500 SeriesFor enterprise-grade deployments, the Cisco Catalyst 9500X switches offer full Gigabit and multi-gigabit connectivity with advanced Layer 2 and Layer 3 capabilities. These switches support nonblocking 50G SFP-56 and 400G QSFP-DD uplinks, high forwarding scale for MAC addresses and IP routes, and deep buffering for enterprise applications. They are designed for core and aggregation layers in campus networks, with features like MPLS, VPNs, and Cisco Software-Defined Access for security and virtualization.

Key Considerations

- Port Count & Speed:** Ensure the switch has enough Gigabit ports for all devices, with uplinks supporting higher speeds if needed.
- PoE Support:** For powering devices like access points or IP cameras, PoE+ or full PoE budget is essential.
- Layer 3 Capabilities:** Core switches often require routing, VLAN segmentation, and advanced network services.
- Environmental Requirements:** Hardened switches like EtherWAN EG97023...

Article Content

Managed Switches

Tackle complex networks with NETGEAR managed switches. Get PoE, SFP, and multi-gig support, plus cloud or local control. Shop now and power your business

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

The Cisco Catalyst 1000 Series switches are fixed-configuration, Gigabit Ethernet switches that provide entry-level enterprise-class Layer 2 access for branch offices, conventional

Cisco Switch Selector

Nexus 7700 Series Switches 1/10/40/100 Gbps port types 5- to 83-Tbps switching capacity NS-OX, ACI DNA/SD-Access ready The modular Cisco Nexus 7000 and 7700 switches deliver a comprehensive

Networking Solutions for the Era of AI | NVIDIA

Networking Purpose-Built for the Era of AI Factories AI factories now span tens of thousands of GPUs—and soon, millions—operating as a single distributed computing engine. To keep

Managed Switches

Fully Managed Switches Scale smarter with managed switches featuring PoE, multi-gig speeds, SFP uplinks, and seamless cloud or on-site control.

Professional Line

Defekte Module sind kostengünstig zu ersetzen und erfordern keine Reparatur oder den Austausch des kompletten Switches. Neben SFP-Ports werden auch SFP + -Ports für die Standarderweiterung

MikroTik · Switches

With 16 Gigabit Ethernet ports and 2 SFP+ 10G uplink ports, you get all the connectivity you need without unnecessary bulk. Stack two units side by side in a

IP-COM Switch 6Port Gigabit 6xGE PoE 63W G2206P Cloud

G2206P-4-63W v2.0 6GE Cloud Managed Switch With 4-Port PoE G2206P-4-63W is a smart cloud-managed PoE switch independently designed by IP-COM. The switch provides 4 gigabit standard

MikroTik · Products

MikroTik makes networking hardware and software, which is used in nearly all countries of the world. Our mission is to make existing Internet technologies faster, more powerful and affordable to wider

Artificial Intelligence (AI) Solutions

Learn more about the latest AI innovations from Cisco and how our artificial intelligence solutions power and secure your AI infrastructure.

Layer 3 Managed Switches

Moxa's Layer 3 managed switches feature industrial-grade reliability, multicast availability, and security enhancements based on the IEC 62443 standard.

Cisco Secure Firewall Advanced Threat Protection

Cisco's Secure Firewall hardware and software options enhance your security to block more threats and swiftly respond to breaches.

ECS2100-28P

The switch can be mounted in many small spaces, on a wall or in a rack. The ECS2100-10P is a full-PoE fanless design switch, it supports up to 8 ports at

7 Best Enterprise Core Switches for 2026 That Power

Stay ahead in network infrastructure with the top enterprise core switches for 2026 that promise unmatched performance and future-proofing.

The best network switch of 2025 | TechRadar

The Cisco CBS350-8MGP-2X remains the best network switch for most people, and we found during review that it offers enough ports to solve

HMS Networks

HMS creates products that enable industrial equipment to communicate and share information with software and systems. In short: Hardware Meets Software™.

HPE Aruba Networking CX switches

HPE Aruba Networking CX 6400 Switch Series High-availability modular chassis and line card switches for versatile edge aggregation, core, and data center deployments.

Gigabit/Hundred Gigabit/Core/PoE/Fiber Switch Selection Guide

The switch is the core equipment for monitoring network transmission. There are many critical technical parameters to consider when selecting switches. The hardware includes 100

Fully Managed Switches M4300-16X Stackable Switch

Stack between 10/40 Gigabit and 1 Gigabit models using any 10G/40G port, with any media type (RJ45, SFP+, DAC cables). Vertical, horizontal, manage as one unit.

Network Switches

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

TWO NVIDIA DGX SPARKS CONNECTED DIRECTLY OVER A 200 GIGABIT

each DGX Spark ships in a 1.13 liter chassis with the GB10 Superchip, a 20-core ARM CPU, and 128GB of coherent memory. two 200 gigabit ports sit on the board next to a NIC

Cisco Switch Selector

These entry-level, noiseless Gigabit Ethernet switches provide enterprise-class Layer 2 switching with basic security, quality of service (QoS), Power over Ethernet Plus (PoE+), and management simplicity.

MikroTik · Routers and Wireless

This switch is your next leap forward – a powerful, efficient, and cost-effective way to bring 50G, 200G, and 400G into your rack. Quad-core 2 GHz ARM CPU, dual

What is a gigabit switch?

Gigabit Ethernet switches are the foundation of modern networks, performing the vital function of directing data from one device to another on a common network.

L2 SWITCHES

With the trend of high speed Ethernet, 10/40/100Gbps, Edgecore switches offer a complete set of advanced software features that will easily satisfy the demands of enterprises and SMBs everywhere.

Contact Us

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