



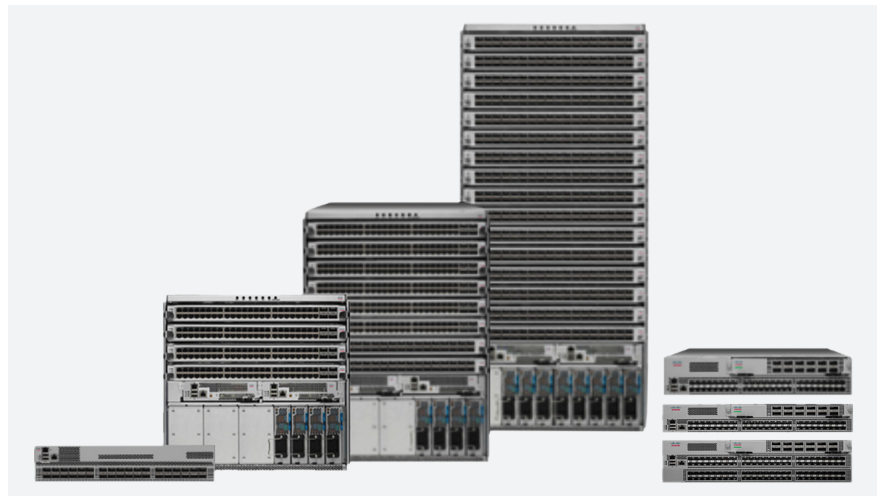
Cisco Nexus 9000 Series Switches

Cisco Nexus 9000 Series Switches Help Your Business Move into the Future

The Cisco Nexus® 9000 Series Switches (Figure 1), our flagship switching product line for the data center, continues to set the benchmark for innovation in the networking industry. With its efficient design, comprehensive feature set, and high-performance 1/10/25/40/50/100-Gbps connectivity across both modular and fixed-configuration switching platforms, the Cisco Nexus 9000 Series provides the network foundation for a flexible and agile three-tier or leaf-and-spine architecture. The switch series also supports Cisco® Application Centric Infrastructure (Cisco ACI™).

The Cisco Nexus 9000 Series includes three platforms: the Cisco Nexus 9500, 9300, and 9200 platforms.

Figure 1. Cisco Nexus 9000 Series Switches



The Cisco Nexus 9500 platform offers three modular chassis: the Cisco Nexus 9516, 9508, and 9504 Switches. Each shares the same supervisor, line cards, system controller, and power supplies, and can be deployed in both traditional three-tier and leaf-and-spine fabric architectures. With an innovative midplane-free design, this platform provides front-to-back airflow, reduced power consumption, increased reliability, and outstanding scalability.

Benefits

- **Boost data center performance** for both three-tier and leaf-and-spine architectures.
- **Reduce operations complexity** with an open and programmable infrastructure.
- **Deliver high availability and elastic scalability** for nonstop business operations.
- **Protect your data center investment** with support for current and future application requirements.

The Cisco Nexus 9300 platform offers a compact and powerful set of switches that can be used at the top of the rack, in the middle of the row, and at the end of the row in both traditional three-tier and spine-and-leaf architectures. The platform includes fixed-configuration 1-rack-unit (1RU), 2RU, and 3RU access switches and the Cisco Nexus 9336PQ ACI Spine Switch; offering flexible 1/10/25/40/50/100-Gbps connectivity options and nonblocking functionality.

The Cisco Nexus 9200 platform is the latest addition to the Cisco Nexus 9000 Series. This platform consists of industry-leading ultra-high-density fixed-configuration data center switches with line-rate Layer 2 and 3 features that support enterprise applications, service provider hosting, and cloud computing environments. The Cisco Nexus 9200 platform operates only as a standalone system with the widely deployed industry-leading Cisco NX-OS Software operating system.

In addition to these options, the Cisco Nexus 9000 Series provides unique value as a high-density fabric extender (FEX) aggregation platform.

Built for Architectural Flexibility

The Cisco Nexus 9000 Series simplifies operations through an open, programmable infrastructure that accelerates application deployments, helps ensure application availability, and increases your business agility. By using a programmatic approach to manage your network, you can configure your network more quickly, reduce errors, and free your staff resources to focus on more strategic efforts.

- **Architectural flexibility, availability, and elastic scalability:** In either the Cisco NX-OS or Cisco ACI configuration, the Cisco Nexus 9000 Series provides continuous application availability to reduce the number of support calls, help ensure employee productivity, and deliver an excellent user experience.
- **Architecture designed for both today and the future:** The Cisco Nexus 9000 Series lets you create a flexible architecture that can integrate with both your existing infrastructure and with completely new (greenfield) deployments. The Cisco Nexus 9000 Series is a cost-effective solution that offers excellent investment protection for networks that must evolve as business needs change.

Next Steps

For more information, please visit the [Cisco Nexus 9000 Series](#) website.