

Cisco Catalyst 8000 Edge Platforms Family

Build a complete WAN Edge with optimized 5G, SD-WAN, Cloud Security and Multicloud Access

Cisco® Catalyst® 8000 Edge Platforms provide a flexible, scalable and secure WAN Edge for business-first resiliency and cloud-native agility.

Advanced features include industry-leading performance and automation for SD-WAN, multicloud onramp, 5G Wireless WAN and SASE architectures.

A hardware-anchored root of trust provides device peace of mind with firmware defenses to secure zero-touch provisioning in SD-WAN.

Enjoy performance upgrades from a multicore architecture and custom Cisco silicon, greater port density to scale your enterprise, and faster encryption performance to secure traffic without throughput degradation.

A user-centric design cuts OpEx costs with greater power efficiency, advanced self-cooling, and faster inventory management.

You can do it all and much, much more with the Catalyst 8000 Edge Platforms.

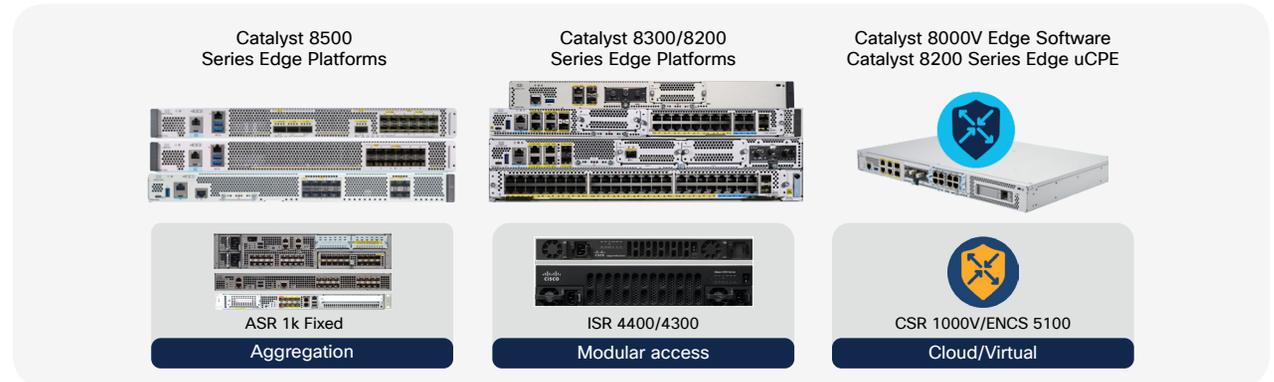
Multicloud migration

The world is changing at an unpredictable pace and so is the technology that supports it. As more workforces become distributed and remote, and applications move to the cloud, it has become more important than ever to create a network architecture that can evolve. A new approach to networking is required—a new model that combines the best of networking and security to manage the multicloud world. In this changing environment, connectivity can happen from any location, applications can be in the cloud or on premises, and services need to be deployed where needed, quickly. IT needs flexibility without compromising performance or scale, while still providing secure access and a consistent user experience.

Key use cases

- **Multicloud connectivity** – Support a diverse set of container-based applications and third-party cloud ecosystem partners
- **SD-WAN** – Create a software-defined WAN for secure cloud access, segmentation, application optimization, and much more
- **5G-ready WAN** – Connect to remote sites with the latest wireless WAN technology, using a simple pluggable interface module or cellular gateway
- **Secure access** – Protect the network with advanced, multilayered security providing application-aware enterprise firewall, IPS, URL filter, layer 2 encryption, and continuous DNS monitoring
- **Edge computing** – Deploy services faster and enable access to mission-critical applications where they are needed most, at the edge

Figure 1. Catalyst 8000: cloud-scale performance and security at the WAN edge



Key benefits and features include:

Connected experience

Industry-leading security and networking services converge, on premises or in the cloud, to deliver high performance for SD-WAN at the WAN edge.

- **Secure Access Service Edge (SASE) architecture** – With support for Cisco Umbrella™ cloud security services, customers have flexibility to deliver security and networking services together from the cloud or on premises, powered by Cisco SD-WAN.
- **Software-defined WAN** – Achieve up to four times better performance for SD-WAN services with dynamic compute resource allocation on the Catalyst 8200, 8200 uCPE and 8300 Series. The all-new third-generation Cisco Quantum Flow Processor packs more encryption and SD-WAN tunnel performance in the Catalyst 8500 Series. The Catalyst 8000 family enables the best of Cisco SD-WAN, like enhanced segmentation, application optimization, and Cloud OnRamp capabilities.
- **Secure remote access** – Flexible connectivity, distributed inspection, and centralized policy enforcement based on roles and identity of users and devices readies 5G-enabled networks.

Cloud-native agility

An open and fully programmable software architecture enables automation at cloud scale and support for a diverse set of microservices, making cloud migration simple.

- **Open and programmable** – An open and fully programmable software architecture with API support enables automation at scale to achieve zero-touch IT capabilities while migrating workloads to the cloud.
- **Microservices enabled** – The Catalyst 8000 family provides a distributed analytics architecture with support for container-based apps and third-party ecosystem partners.

Why Cisco?

The Cisco Catalyst 8000 Edge Platforms Family is designed to be scalable, secure, and optimized for multicloud. Only Cisco has the ability to meet the needs of any size customer, across any vertical and any geography. We offer the broadest portfolio, maximum choice with our third-party technology ecosystem, and over 30 years of networking experience combined with leadership in SD-WAN and security.

Cisco DNA Software

[Cisco DNA](#) for SD-WAN and Routing subscriptions are available in three subscription tiers. Subscriptions can be purchased either as an individual transaction or as an enrollment in a Cisco DNA Enterprise Agreement. Software licenses are portable across the cloud and premises, are easy to upgrade across tiers, and include Software Support Service (SWSS). [Learn more.](#)

Cisco Services

Accelerate your success with services from Cisco Customer Experience (CX). Now you can adopt SD-WAN with ease and confidence, thanks to our trusted expert resources. [View our services.](#)

Business-first resiliency

The flexibility to deploy any service, anywhere and the ability to implement intelligent capacity planning allows IT to adopt evolving technology, like 5G, without compromising performance or uptime.

- **Services resiliency** – Facilitating 5G-based edge services, the Catalyst 8000 platforms offer wireless WAN flexibility and provide enterprises the ability to increase resources, whenever needed, to support edge compute and virtualization.
- **Operational resiliency** – Powered by advanced telemetry data from the Catalyst 8000 family, Cisco vAnalytics offers insights into circuit and application utilization, assisting customers in intelligent capacity planning and anomaly detection.
- **Business resiliency** – The edge platforms offer investment protection and cost savings, with an easy upgrade path for 5G and other emerging technologies, as well as backward compatibility to support previous technologies.

Secure Firmware and Supply Chain in SD-WAN

Cisco Catalyst 8000 Edge Platforms not only offer industry-leading SD-WAN performance, they provide multilayered security that leads the industry.

Catalyst 8000 come equipped with Cisco Trustworthy Solutions, including:

- The new Cisco Trust Anchor, an embedded module that protects SD-WAN firmware, public key infrastructure (PKI) and product authenticity
- Value Chain Security: control and management over third-party cloud provider risk domains
- The Cisco Secure Development Lifecycle: a combination of DevSec best practices to ensure a quality SD-WAN fabric

How to buy

To view buying options and speak with a Cisco sales representative, visit: www.cisco.com/c/en/us/buy.

Additional resources

- [Catalyst 8000 Edge Platforms Family](#)
- [Benefits of Upgrading to Catalyst 8000](#)
- [Cisco SD-WAN](#)
- [Cisco SD-WAN Cloud OnRamp](#)