



Benefits of Upgrading to Cisco Catalyst 9500 Switches



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Why upgrade to the Cisco Catalyst 9500 Series Switches? Simple, Secure, Ready.

Digital disruption is changing how we think about our networks. Whether customers or employees, the “experience” has become a strategic imperative. The Cisco Catalyst 9500 Series fixed core and distribution switches are designed to help you change your network from a platform of connectivity to a platform of services.

The first purpose-built platforms designed for full fabric-control with Cisco DNA and Software-Defined Access (SD-Access), these switches deliver stellar performance and functionality and extend Cisco’s networking leadership with significant innovations in security, mobility, IoT and cloud.

Trends	Features	Previous Fixed Core Switches		Latest Fixed Core Switch	Benefits
		Cisco Catalyst 4500-X Series (32x10)	Cisco Catalyst 3850 Fiber Series	Cisco Catalyst 9500 Series	
Scale and Performance	Chassis Bandwidth	800 Gbps	480 Gbps	up to 6.4 Tbps	Support multi-gigabit core 10G, 25G, 40G, and 100G
	10G, 25G, 40G, and 100G	10G, 25G, 40G, and 100G	10G, 25G, 40G, and 100G	10G, 25G, 40G, and 100G	
	Max 10 G Density	40 ports	48 ports	48 ports	
	Max 100 G density	N/A	N/A	32 ports	
Advanced Security	Native Flexible NetFlow	N/A	✓	✓	Orchestrate role based access to corporate resources by any user, with any device, from any location at any time
	Cisco TrustSec/SGT ³ for wired/wireless	wired	✓	✓	
	Trustworthy Solutions	N/A	N/A	✓	
	Native MACsec-256 encryption	N/A	mGig/10G models	✓	
	Encrypted Traffic Analytics	N/A	N/A	✓	
BYOD/Mobility	Fabric-enabled Wireless	N/A	✓	✓	Enable converged wired-wireless access for operational simplicity and scale
	Common wired-wireless features	N/A	✓	✓	
	UADP ² ASIC for wired-wireless convergence	N/A	✓	✓	
	Application visibility across wired-wireless	N/A	✓	✓	
	Hierarchical wireless QoS	N/A	✓	✓	
Simplicity and Automation	Common features for wired-wireless	N/A	✓	✓	Simplicity and business agility
	GIR/Patching	N/A	N/A	✓	
	DNA Center/SD-Access programmability	N/A	Optional Subscription	✓	

Improve your results with our services

No matter where you are in your journey, Cisco and our partners offer services expertise to help you accelerate your digital network transformation – from upgrade and optimization services to award-winning support. We help you speed your upgrade deployments, reduce risk and complexity and provide business continuity as you refresh your network. To simplify and support your upgrade Cisco offers services to streamline the process and help you get the most out of your investment. The Upgrade Service helps control costs, improve operational excellence and mitigate risk during your refresh.

Learn more about all [Services for Switches](#).

- Reduced cost and complexity with Cisco Software-Defined Access by automating policy, enabling fast service creation and providing complete visibility into the wired and wireless access networks.
- Create better customer and employee experiences through higher performance and improved support for mobility and new apps.
- Advanced end-to-end security to handle threats before, during and after attacks.

The Catalyst 9000 Family is also the first in the line to offer the Cisco IOS XE and Cisco DNA Software subscription-based licenses, allowing customers to purchase the features and capabilities they need. See the benefits you could be receiving now by comparing the Cisco Catalyst 9500 Series to older switches (see table 1).