

Benefits of Upgrading to Cisco Catalyst 9400 Series Switches



Why upgrade to the Cisco Catalyst 9400 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 9400 Series modular access/distribution/ core switches are designed to help you bridge your network to your business and your business to your customers. The first purpose-built platforms designed for full fabric-control with Cisco Catalyst and Software-Defined Access

(SD-Access), support large selection of copper, multigigabit, 90W Cisco UPOE+ and 60W Cisco UPOE, and up to 100G fiber line cards for flexible and scalable access and backbone deployments. With higher performance supervisor engines, resilient power supplies and enhanced scale, Catalyst 9400 Series extends Cisco’s networking leadership with significant innovations in security, mobility, IoT and cloud.

Finance your switching migration with Cisco Capital

Let financing from Cisco Capital make migrating your switches and accelerating your digital transformation even easier. Cisco Capital Easy Pay makes this transition as easy as possible with no upfront costs and predictable monthly payments. You pay 90% of the total over a three-year period that is completely interest free. At the end of the term, you have the following options to return and refresh the equipment, extend your lease or purchase the solution at 10% of original cost. Take advantage of this market leading interest rate and use your budget for other investments.

Take advantage of [Cisco Capital Easy Pay](#).

Trends	Features	Previous Modular Access Switches		Latest Modular Access Switches	Benefits
		Cisco Catalyst 4500	Cisco Catalyst 6500	Cisco Catalyst 9400	
Scale and Performance Versatility	Chassis Bandwidth	960 Gbps	2 Tbps	9.2 Tbps	Better mix and variety of higher speeds up to 100G with longevity of future upgrades without replacing switch
	Throughput	250 Mpps	450 Mpps	300 BPPS	
	mGig ¹ + Cisco UPOE	mGig or Cisco UPOE	N/A	✓	
	Cisco UPOE+	N/A	N/A	✓	Up to 90 Watts PoE with Cisco UPOE+
	100G/40G uplinks	N/A	N/A	✓	
	100G/40G, 25G line card option	N/A	N/A	✓	
	Titanium rated power supply	N/A	N/A	✓	

¹ mGig: Cisco Multigigabit technology

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Functionality	Simplified Campus Automation	N/A	N/A	✓	Optimized discovery and configuration of network devices Next generation overlay support for segmentation and policy based management with integrated threat detection and mitigation. Advanced L2+L3 functionality for aggregation and border nodes with open programmable interfaces. Gain visibility outside of your campus perimeter with native hosted ThousandEyes Enterprise Agents.
	SD-Access ² programmability	Limited	N/A	✓	
	Cisco Spaces IoT Gateway**	N/A	N/A	✓	
	ThousandEyes Enterprise Agents*	N/A	N/A	✓	
	MPLS-VPN	N/A	✓	✓	
	Programmability	Limited	N/A	✓	
	Application Hosting/Containers	N/A	N/A	✓	
	Audio Visual Bridging (AVB) ³	N/A	N/A	✓	

* The ThousandEyes credits per customer included as part of Catalyst 9400 Cisco Catalyst Advantage subscriptions will be limited to 110,000,000 units of test capacity. ThousandEyes Cloud Agent access is not included in the Cisco Catalyst software license entitlement. Test capacity can be increased and Cloud Agents accessed with purchase of additional ThousandEyes Network and Application Synthetics.

** Cisco Spaces IoT Gateway is part of a Cisco Catalyst Advantage license and includes Cisco Spaces Extend functionality.

² SD-Access: Software-Defined Access ³ Hardware ready

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High Availability	Stackwise Virtual	N/A	N/A	✓	Higher reliability by way of link, component and switch redundancy. Better manageability via hitless software upgrades
	ISSU	N/A	N/A	✓	
	GIR/NSF	N/A	N/A	✓	
	Hot Patching	N/A	N/A	✓	
Security	MACsec 256 bit encryption	N/A	N/A	✓	Enable converged wired-wireless access for operational simplicity and scale
	TrustSec end-point security	N/A	N/A	✓	
	100G IPsec in hardware	N/A	N/A	✓	
	Trustworthy Solutions	N/A	N/A	✓	
	Secure Network Analytics	N/A	N/A	✓	
	Encrypted Traffic Analytics (ETA)	N/A	N/A	✓	
	Cisco Umbrella	N/A	N/A	✓	



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, complexity and downtime with Cisco Software-Defined Access. Automate policy, enable fast service creation and get 360-degree contextual insights across users, devices, and applications. Assure network performance with real-time and historical data analytics, to learn, adapt, and even detect problems before they happen.
- Create better customer and employee experiences through higher performance, improved support for mobility, and service assurance with embedded ThousandEyes network testing.
- Advanced end-to-end security designed to work together to detect and stop threats, simplify security complexity, keep your business more secure and make your IT more productive.

The Catalyst 9000 family is also the first in the line to offer the Cisco IOS XE and Cisco Catalyst subscription-based software licenses, allowing customers to purchase the features and capabilities they need. See the benefits you could be receiving now by comparing the Cisco Catalyst 9400 Series to older switches (see table 1).