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Benefits of upgrading to Cisco Catalyst 9600 Series Switches

Why upgrade to the Cisco Catalyst 9600 Series Switches?

Purpose built to redefine campus core.

Digital disruption is changing how we think about our networks.

Whether customers or employees, the "experience" has become astrategic imperative. Cisco Catalyst 9600 Series modular core/distribution switches are designed to help you bridge your network to your business and your business to your customers.

The Catalyst 9600 Series expands the end-to-end Catalyst 9000 family further aligning our comprehensive solution with our customers varying business and network strategies. When you need the most secure, most resilient, most intelligent network you need Catalyst 9600 Series switches, the industry's first purpose-built modular-configuration 25G, 40G, and 100G line of switches for enterprise-class core and aggregation layers.

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

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Trends	Features	Previous Modular Core Switches			Latest modular	Benefits
		Catalyst 6500	Catalyst 6500/6800		Catalyst 9600	
		Sup720 3C	Sup2T	Sup6T		
Scale and performance versatility	Chassis bandwidth	720 Gbps	up to 2 Tbps	up to 6 Tbps	up to 25.6 Tbps	Better mix and variety of higher speeds with longevity of future upgrades without replacing switch. Line rate 25G, 40G, 100G.
	Throughput	450 Mpps	720 Mpps	780 Mpps	3 Bpps	
	40 Gbps (QSFP+)/100 Gbps (QSFP28)	N/A	40 G only	40 G only	✔	
	25 Gbps (SFP28)	N/A	N/A	N/A	✔	
Functionality	SD-Access[2]	N/A	Limited	Limited	✔	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.
	MPLS-VPN	✔	✔	✔	✔	
	Programmability	N/A	Limited	Limited	✔	
	Application hosting/containers	N/A	N/A	N/A	✔	
	Embedded Wireless Controller (eWLC)[3]	WiSM2	WiSM2	WiSM2	✔	
High availability	Stackwise virtual	N/A	✔	✔	✔	Higher reliability by way of link, component and switch redundancy. Better manageability via hitless software upgrades.
	ISSU	N/A	Limited	Limited	✔	
	GIR/NSF	N/A	N/A	N/A	✔	
	Hot patching	N/A	N/A	N/A	✔	
Security	Macro and micro segmentation	N/A	✔	✔	✔	Enable converged wired-wireless access for operational simplicity and scale.
	MACsec-256 bit encryption	128 bit	128 bit	128 bit	✔	
	TrustSec end-point security	N/A	✔	✔	✔	
	Trustworthy solutions	N/A	N/A	N/A	✔	

[1] mGig: Cisco Multigigabit technology   [2] SD-Access: Software-Defined Access   [3] Hardware ready

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 and improved support for mobility and new apps.

- 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 DNA 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 9600 Series to older switches (see table 1).