



# Benefits of Upgrading to Cisco Catalyst 2960-L and 2960-X/2960-XR Series Switches

## Why upgrade to the Cisco® Catalyst® 2960-L and 2960-X/2960-XR Series Switches? Compare and see what you've been missing.

Without the right switching solutions, the applications, services, and devices you deploy cannot live up to their potential. Digital transformation makes having the right foundation to stay competitive more critical than ever before. The Cisco Catalyst 2960-L and 2960-X/2960-XR Series are Gigabit Ethernet Layer 2 and Layer 3 access switches that offer a cost-effective, scalable solution with enterprise-class features for small and large organizations. These fully managed switches provide easy device onboarding, configuration, monitoring, and troubleshooting. They can provide advanced Layer 2 and Layer 3 features as well as optional Power over Ethernet Plus (PoE+) power. Designed for operational simplicity to lower total cost of ownership, the switches enable scalable, secure, and energy-efficient business operations with intelligent services. They deliver enhanced application visibility, network reliability, and network resiliency. Improvements over previous-generation switches include:

- Enhanced employee experiences through higher performance and improved support for mobility
- Advanced security to handle increasing threats, with features such as IEEE 802.1X, Network as a Sensor (NaaS), DNS as an Authoritative Source (DNS-AS), etc.
- Reduced cost and complexity through support for Cisco Configuration Professional for Catalyst, Cisco DNA Center™, and innovations in energy efficiency

See the benefits you could be receiving now by comparing the Cisco Catalyst 2960-L and 2960-X/2960-XR Series to older switches (see the table below).

## Finance your switching migration with Cisco Capital

Let financing from Cisco Capital® make upgrading 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 percent of the total solution cost over a 3-year period that is completely interest free. At the end of the term, you have the following options: return and refresh the equipment, extend your lease, or purchase the solution at 10 percent of the 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 access switches					Latest access switches			Benefits	
		2950 Series (EOL)	2960G (EOL)	2960 Series (EOL)	2960-Plus Series	2960-S Series (EOS)	2960-L Series	2960-X Series	2960-XR Series		
Scale and performance	Switching capacity	13.6 Gbps	32 Gbps	17.6 Gbps	16 Gbps	176 Gbps	176 Gbps	216 Gbps	216 Gbps	Supports Gigabit access growth for wired and wireless, 802.11ac	
	Full line rate for all 48 ports	-	-	✓	-	✓	✓	✓	✓		
	1G downlinks	-	✓	-	-	✓	✓	✓	✓		
	1G/10G uplinks	2x 1G	4x 1G	2x 1G or 4x 1G	-	2x 10G or 4x 1G	✓	2x 10G or 4x 1G	2x 10G or 4x 1G		
	Stacking bandwidth	-	-	-	-	40 Gbps 4 members	Virtual stacking only	Up to 80 Gbps 8 members	Up to 80 Gbps 8 members		
	PoE, PoE+	-	-	PoE up to 370W	-	PoE, PoE+, up to 740W	PoE, PoE+ up to 370W	PoE, PoE+, up to 740W	PoE, PoE+, up to 740W		
	Layer 3 dynamic routing (RIP <sup>1</sup> , OSPF <sup>2</sup> )	-	-	-	-	-	RIP	Routed access, RIP	Routed access, RIP, EIGRP <sup>3</sup>		Easy and rapid deployment of more IP endpoints, supported on all ports
	IPv6 ready	-	-	-	-	✓	✓	✓	✓		
BYOD and mobility	NetFlow Lite	-	-	-	-	-	-	✓	✓	Superior user experience through application visibility and control	
	Full NetFlow	-	-	-	-	-	-	✓ <sup>4</sup>	✓ <sup>4</sup>		
Advanced Security	Cisco TrustSec <sup>®</sup> with SXP <sup>5</sup>	-	-	-	-	✓	-	✓	✓	Orchestrate role-based access to corporate resources	

<sup>1</sup> RIP = Routing Information Protocol | <sup>2</sup> OSPF = Open Shortest Path First Protocol | <sup>3</sup> EIGRP = Enhanced Internet Gateway Routing Protocol

<sup>4</sup> Flexible NetFlow on Cisco Catalyst 2960X/2960-XR requires either a Cisco ONE™ Foundation license or a Cisco DNA™ Essentials license.

<sup>5</sup> SXP = Security Group Tag Exchange

	Features	Previous access switches					Latest access switches			Benefits
		2950 Series (EOL)	2960G (EOL)	2960 Series (EOL)	2960-Plus Series	2960-S Series (EOS)	2960-L Series	2960-X Series	2960-XR Series	
Simplicity and Cisco DNA Center	Flexible 802.1X authentication	-	-	-	-	✓	✓	✓	✓	Enables port-based network access control
	IPv6 First Hop Security	-	-	-	-	✓	-	✓	✓	Protects against IPv6 address theft and malicious attacks
	Smart Install	-	-	✓	✓	✓	✓	✓	✓	Zero-touch configuration and Cisco IOS® Software updates when deploying new switches
	Auto Smartports and Auto QoS	-	✓	✓	✓	✓	-	✓	✓	Automatically configures interfaces based on the type of device connected
	Cross-stack Quality of Service (QoS)	-	-	-	-	✓	-	✓	✓	Simplifies operations by propagating QoS settings consistently across the stack
	Programmability Cisco onePK ready	-	-	-	-	-	-	✓	✓	Simplicity and business agility
	Bluetooth support	-	-	-	-	-	✓	✓	✓	Ease of integration
	Web GUI	-	-	-	-	-	✓	✓	✓	Ease of use
	DNA Center support	-	-	-	-	-	✓	✓	✓	Integrated automation, configuration, and monitoring
Energy efficiency	Green features	-	-	-	-	-	-	✓	✓	Rapid ROI – saved over 50% in annual energy operating costs compared to the industry average (source: Miercom report) <sup>6</sup>
	<ul style="list-style-type: none"> <li>Switch hibernation</li> <li>Energy Efficient Ethernet (EEE)</li> </ul>									

## 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 migration and optimization services to award-winning support services. We help you speed your migration deployments, reduce risk and complexity, and provide

business continuity as you refresh your network. To simplify and support your migration, Cisco offers services to streamline the process and help you get the most out of your investment. The Migration Service helps control costs, improve operational excellence, and mitigate risk during your refresh.

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

<sup>6</sup> <http://miercom.com/pdf/reports/20131112.pdf>