

# Benefits of Migrating to Cisco<sup>®</sup> Catalyst<sup>®</sup> 2960 and 2960XR Switches

## Why migrate to the Cisco Catalyst 2960-X/XR? Compare and see what you've been missing.

Aging switches were not designed to handle today's digital challenges. Get an up-to-date switching solution with the Cisco Catalyst 2960-X/XR. These stackable Gigabit Ethernet Layer 2 and Layer 3 access switches give you enterprise-class features at a great price. Designed for simplicity, they are easy to deploy, manage, and troubleshoot and offer automated software installation and port configuration. Improvements over previous generations include:

- Better customer and employee experiences through higher performance and improved support for mobility
- Advanced security to handle increasing threats
- Reduced cost and complexity through support for software defined networking (SDN) and innovations in energy efficiency

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

Trends	Features	Previous Access Switches				Latest Access Switches		Benefits
		2950 (EOL)	2960G (EOL)	2960 (EOL)	2960-S	2960-X	2960-XR	
Scale/ Performance	Switching capacity	13.6 Gbps	32 Gbps	17.6 Gbps	176 Gbps	216 Gbps	216 Gbps	Support gigabit access growth for wired and wireless/802.11ac
	Full line rate for all 48 ports	N/A	N/A	✓	✓	✓	✓	
	Gigabit downlinks	N/A	✓	N/A	✓	✓	✓	
	1G/10G uplinks	2x1G	4x1G	2x1G or 4x1G	2x10G or 4x1G	2x10G or 4x1G	2x10G or 4x1G	
	Stacking bandwidth	N/A	N/A	N/A	40 Gbps 4 members	80 Gbps 8 members	80 Gbps 8 members	
	PoE/PoE+	N/A	N/A	PoE up to 370W	PoE/PoE+, up to 740W	PoE/PoE+, up to 740W	PoE/PoE+, up to 740W	Easy and rapid deployment of more IP endpoints, supported on all ports
	Layer 3 dynamic routing (RIP <sup>1</sup> , OSPF <sup>2</sup> )	N/A	N/A	N/A	N/A		✓	Convenience with Layer 2 and Layer 3 in a single switch
	IPv6 ready	N/A	N/A	N/A	✓	✓	✓	Support more traffic through IP address scalability
BYOD/Mobility	NetFlow Lite	N/A	N/A	N/A	N/A	✓	✓	Superior user experience through application visibility and control
Advanced Security	Cisco TrustSec with SXP <sup>3</sup>	N/A	N/A	N/A	✓	✓	✓	Orchestrate role based access to corporate resources

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	Flexible 802.1x authentication	N/A	N/A	N/A	✓	✓	✓	Enable port-based network access control
	MACsec <sup>4</sup> (hardware ready)	N/A	N/A	N/A	N/A	✓	✓	For encryption compliance
	IPv6 First Hop Security	N/A	N/A	N/A	✓	✓	✓	Protect against IPv6 address theft and malicious attacks
Simplicity and SDN	Smart Install	N/A	N/A	✓	✓	✓	✓	Zero-touch configuration and Cisco IOS Software updates when deploying new switches
	Auto SmartPorts and Auto QoS	N/A	✓	✓	✓	✓	✓	Automatically configures interfaces based on the type of device connected
	Cross-stack QoS	N/A	N/A	N/A	✓	✓	✓	Simplify operations by propagating QoS settings consistently across the stack
	SDN/programmability • Cisco onePK ready	N/A	N/A	N/A	N/A	✓	✓	Simplicity and business agility
Energy Efficiency	Green features • Switch hibernation • Energy Efficient Ethernet (EEE)	N/A	N/A	N/A	N/A	✓	✓	Rapid ROI – saved over 50% in annual energy operating costs compared to the industry Average (Source: Miercom report)

<sup>1</sup> RIP – Routing Information Protocol <sup>2</sup> OSPF – Open Shortest Path First Protocol <sup>3</sup> SXP – Security Group Tag Exchange Protocol <sup>4</sup> MACsec – IEEE Media Access Control Security Standard <sup>5</sup> <http://miercom.com/pdf/reports/20131112.pdf>

## 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 solution cost over a three-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% of the original cost. Take advantage of this market leading interest rate and use your budget for other investments.

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## 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](#).