Benefits of Upgrading to Cisco C9350 Series Smart Switches

Why upgrade to the Cisco C9350 Series Smart Switches? Because they are the foundation of your future-proof workplace.

A future-proof workplace has the agility to support the evolving needs of modern business while being resilient enough to adapt to an unknown future. It is where amazing experiences become the norm, not the exception. Offices become magnets, not just mandates. Technology becomes integrated and extensible, not rip and replace. Collaboration happens everywhere, not just in person. And security is infused from the start, not as an afterthought. This is the new AI Enterprise and is what the Cisco® C9350 Series Smart Switches have been built for.

But this is more than just the next generation in enterprise-grade switching. It is in fact the beginning of the next chapter in the One Cisco story – offering our customers a unified experience with the same hardware, software, and support regardless of how they manage their network.

Unified hardware: Customers can choose to deploy their networks in a cloud, on-premises, or via a hybrid approach using the same hardware and simplified SKU structure with no variations based on management mode.

Unified software: Cisco IOS® XE enables all management modes with common licensing tiers (Advantage and Essentials) for on-premises, cloud and hybrid deployments.

Unified support: Consistent and reliable product support for both hardware and software is included with the unified licenses.



© 2026 Cisco and/or its affiliates. All rights reserved.

Table 1. Benefits of the Cisco C9350 Series Smart Switches compared to other Cisco Catalyst access switches

Trend	Feature	Installed-base access switches					Benefits
		Cisco Catalyst 3560-x and 3750-x Series	**Cisco Catalyst 3750G Series**	**Cisco Catalyst 3850 Series**	**Cisco Catalyst 9300/X Series**	**Cisco C9350 Series Smart Switches**	
Scale and performance	Bandwidth per stack	No stacking/64 Gbps	32 Gbps	480 Gbps copper and fiber	Up to 480Gbps/1Tbps copper and fiber	Up to 1.6 Tbps copper and fiber	Greater throughput
	Uplinks	2x 10G[1]	4x 1G	4x 1G, 2x 10G, 4x 10G (all models)	2x or 4x dual-rate 100G/40G; 8x 25G or 10G/mgig, 2x 40G or 25G, 8x 10G, 4x 1G	2x or 4x dual-rate 100G/40G; 4x multi-rate 50G/25G/10G/1G; 8x multi-rate 25G/10G/1G	Greater uplink scale with traditional fiber cabling environments
	Multigigabit technology	-	-	✓	✓	✓	Supports downlink speeds up to 10G with traditional copper cabling environments

[1] G: Gigabit Ethernet

© 2026 Cisco and/or its affiliates. All rights reserved.

Trend	Feature	Installed-base access switches					Benefits
		Cisco Catalyst 3560-x and 3750-x Series	**Cisco Catalyst 3750G Series**	**Cisco Catalyst 3850 Series**	**Cisco Catalyst 9300/X Series**	**Cisco C9350 Series Smart Switches**	
Advanced security	100G IPsec in hardware	-	-	--	✓(C9300X)	✓	Cisco C9350 models come with 100G line-rate IPsec to enable various options for new edge connectivity
	Native NetFlow	Flexible	-	✓	✓	✓	
	Cisco TrustSec® and SGT[2] for wired and wireless	Wired	-	✓	✓	✓	Orchestrate role-based access to corporate resources; AES-256, MACsec-256, WAN MACsec
	Trustworthy solutions	-	-	✓	✓	✓	Trusted Hardware, trusted Sofware (OS), and trusted Features
	Native MACsec-256 encryption	-	-	Multigigabit, 10G models only	✓	✓	Most secure link authentication and encryption
	Encrypted Traffic Analytics	-	-	-	✓	✓	Detect malware hiding in encrypted traffic without decrypting it
	Cisco Umbrella	-	-	-	✓	✓	Cloud security service that provides a first line of defense against threats, wherever users access the internet — on or off the corporate network

[2] SGT: Security Group Tag

© 2026 Cisco and/or its affiliates. All rights reserved.

Trend	Feature	Installed-base access switches					Benefits
		Cisco Catalyst 3560-x and 3750-x Series	**Cisco Catalyst 3750G Series**	**Cisco Catalyst 3850 Series**	**Cisco Catalyst 9300/X Series**	**Cisco C9350 Series Smart Switches**	
Simplicity and automation	x86 CPU	-	-	-	✓	✓	Faster CPU performance
	Cisco IOS® XE OS	-	-	-	✓	✓	Single common network OS across switching, routing, wireless, and IoT
	KVM[3] and container-based hosting environments	-	-	-	✓	✓	App hosting in the network, including Docker containers
	Guest shell	-	-	✓	✓	✓	On-box Python scripting
	Simplified campus automation	-	-	-	✓	✓	Optimized discovery and configuration of network devices
	Model-driven programmability	-	-	✓	✓	✓	Standards-based programmable interfaces
	Streaming telemetry	-	-	✓	✓	✓	Rich contextual insights
	Fabric-in-a-box	-	-	-	✓	✓	Enable SD-Access without needing a separate device for each fabric role
	SD-Access[4] programmability	-	-	Optional subscription	✓	✓	

[3] KVM: Kernel-based virtual machine | [4] SD-Access: Software-Defined Access

© 2026 Cisco and/or its affiliates. All rights reserved.

Trend	Feature	Installed-base access switches					Benefits
		Cisco Catalyst 3560-x and 3750-x Series	**Cisco Catalyst 3750G Series**	**Cisco Catalyst 3850 Series**	**Cisco Catalyst 9300/X Series**	**Cisco C9350 Series Smart Switches**	
Simplicity and automation	Cisco ThousandEyes® Endpoint Agents	-	-	-	✓	✓	Visibility from network to cloud for rapid problem isolation
	Cisco Spaces gateway	-	-	-	✓	✓	Visibility into wired and wireless network devices for smart buildings
	On-premises, hybrid, or cloud management	-	-	-	✓	✓	Standard
Bring Your Own Device (BYOD) and mobility	Wi-Fi 7 access points	-	-	-	32	48	10G Multigigabit, 90W PoE
	Wi-Fi 6E/6 access points	-	-	24	48	48	
	Max number of access points supported	-	-	100	-	200	Highest density of next-generation access points in a 1RU box
	ASIC for wired and wireless convergence	-	-	UADP 1.0[5]	UADP 2.0	Cisco Silicon One™ A100/L	Optimized for the AI Enterprise with secure converged wired and wireless access for operational simplicity and scale
	Application Visibility across wired and wireless	-	-	✓	✓	✓	
	End-to-end quality of experience[6]	-	-	-	-	✓	

[5] UADP ASIC: Unified Access Data Plane ASIC | [6] Cisco Assurance

© 2026 Cisco and/or its affiliates. All rights reserved.

Improve your results with our services

With Cisco Services, you can achieve infrastructure excellence faster with less risk. Our services for the Cisco C9000 Smart Switch family provide expert guidance to help you successfully plan, deploy, manage, and support your new switches. With unmatched networking expertise, best practices, and innovative tools, Cisco Services can help you reduce overall upgrade, refresh, and migration costs as you introduce new hardware, software, and protocols into the network. With a comprehensive lifecycle of services, Cisco experts will help you minimize disruption and improve operational efficiency to extract maximum value from your Cisco Catalyst infrastructure.

More reasons to upgrade

- Reduce cost and complexity with Cisco SD-Access by automating policy, enabling fast service creation, and providing complete visibility into the wired and wireless access networks.
- Get greater visibility and management in Cisco Meraki™ cloud environments with cloud management and monitoring for Catalyst.
- Create better customer and employee experiences through higher performance, improved network visibility, and service assurance with embedded Cisco Spaces and ThousandEyes network testing.
- Gain advanced end-to-end security to handle threats before, during, and after attacks.

Learn more about all services for switches.



© 2026 Cisco and/or its affiliates. All rights reserved. Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

C83-5111451-02 11/26