

Benefits of Migrating to Cisco[®] Catalyst[®] 3850 and 3650 Switches

Why migrate to the Cisco Catalyst 3850 and 3650 Series switches? Compare and see what you've been missing.

Aging switches were not designed to handle today's digital challenges. Get up-to-date switching solutions with the Cisco Catalyst 3850 and 3650 Series switches. These enterprise-class access switches will get you ready for 802.11ac Wave 2 with Cisco Catalyst Multigigabit Technology to deliver speeds beyond 1 Gigabit on existing Category 5e/6 cables. Improvements over previous generations include:

- Better customer and employee experiences through higher performance and improved support for mobility with converged wired and wireless
- Advanced security to handle increasing threats
- Reduced cost and complexity through support for software defined networking (SDN) and SmartOperations

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 3850 and 3650 Series to older switches (see table below).

Trends	Features	Previous Access Switches			Latest Unified Access Switches	Benefits
		Cisco Catalyst 3560-X	Cisco Catalyst 3750-G (EoS)	Cisco Catalyst 3750-X	Cisco Catalyst 3850/3650	
Scale/ Performance	Bandwidth per stack	No stacking	32 Gbps	64 Gbps	480 Gbps (3850) 160 Gbps (3650)	Support gigabit access growth for wired and wireless/802.11ac
	10 GE ¹ uplinks	2x10 GE	4x1 GE	2x10 GE	4x10 GE or 2x10 GE	
	Support mGig	N/A	N/A	N/A	mGig model available	
BYOD/Mobility	Integrated wireless LAN controller	N/A	N/A	N/A	✓	Enable converged wired-wireless access for operational simplicity and scale
	Common wired-wireless features	N/A	N/A	N/A	✓	
	UADP ² ASIC for wired-wireless convergence	N/A	N/A	N/A	✓	
	Application visibility across wired-wireless	N/A	N/A	N/A	✓	
	Hierarchical wireless QoS	N/A	N/A	N/A	✓	
Advanced Security	Native Flexible NetFlow	N/A	N/A	N/A	✓	Orchestrate role based access to corporate resources by any user, with any device, from any location at any time
	Cisco TrustSec/SGT ³ for wired	✓	N/A	✓	✓	
	Cisco TrustSec/SGT for wireless	N/A	N/A	N/A	✓	

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	Native MACsec encryption	Need service module	N/A	Need service module	✓	
Simplicity and SDN	Common features for wired-wireless	N/A	N/A	N/A	✓	Simplicity and business agility
	SmartOperations	✓	N/A	✓	✓	
	SDN ⁴ /programmability: • Cisco onePK ready • OpenFlow ready	N/A	N/A	N/A	✓	
Other	Video/collaboration • Medianet	✓	N/A	✓	✓	Uncompromised user experience: assess, monitor, and troubleshoot network proactively

Cisco Catalyst 3850 offers higher AP support, modular uplinks and StackPower in addition to Cisco Catalyst 3650 features.

¹ GE - Gigabit Ethernet ² UADP ASIC - Unified Access Data Plane ASIC ³ SGT - Security Group Tag ⁴ SDN - Software Defined Networking

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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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