Cisco Catalyst Transition Guide

Benefits of Transitioning to Cisco Catalyst 1000 Series

Feature		Catalyst 2960-Plus	Catalyst 2960-L	Catalyst 1000	Benefit
Scale and Performance	Downlinks	24 × FE 48 × FE	8 × 1GE 16 × 1GE 24 × 1GE 48 × 1GE	8 × 1GE 16 × 1GE 24 × 1GE 48 × 1GE	More throughput and more power to meet growing demands for connectivity from a wider array of smart devices.
	Uplinks	2 × 1GE 2 × 10GE	2 × 1GE 4 × 1GE 4 × 10GE	2 × 1GE 4 × 1GE 4 × 10GE	
	Maximum PoE Budget	Up to 370 W	Up to 370 W	Up to 740 W	
	Perpetual PoE		✓	✓	
Flexibility	Operating Temperature	Up to 45 dC	Up to 45 dC	Up to 50 dC*1	Greater flexibility to allow for more deployment scenarios.
	Single IP Management			✓	
	Fanless		✓*2	✓*2	
	Over-the-Air Bluetooth		✓	✓	Increased options for network setup mean you can allocate resources in different ways as your organization and network grows.
Functionality	Dynamic VLAN Assignment		✓	✓	Increased support for VLANs and more advanced quality of service help keep networks secure while meeting multiple requirements for connectivity.
	DHCP Relay and Server		✓	✓	

*1 50 dC operation is supported for short term operation only. *2 Except some models.

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Transition Map

Legacy Model	Existing Model			New Model	
Catalyst 2960-S (-S)	Catalyst 2960-Plus	Catalyst 2960-X (-LL)	Catalyst 2960-L	Catalyst 1000	Interface
			WS-C2960L-8TS	C1000-8T-E-2G C1000-8T-2G	8 × 1GE, 2 × 1GE (RJ45/SFP)
			WS-C2960L-8PS	C1000-8P-E-2G C1000-8P-2G C1000-8FP-E-2G C1000-8FP-2G	8 × 1GE PoE+, 2 × 1GE (RJ45/SFP)
			WS-C2960L-16TS	C1000-16T-E-2G C1000-16T-2G	16 × 1GE, 2 × 1GE (RJ45/SFP)
			WS-C2960L-16PS	C1000-16P-E-2G C1000-16P-2G C1000-16FP-2G	16 × 1GE PoE+, 2 × 1GE (RJ45/SFP)
WS-C2960S-F24TS WS-C2960S-24TS	WS-C2960+24TC	WS-C2960X-24TS	WS-C2960L-24TS	C1000-24T-4G	24 × 1GE, 4 × 1GE SFP
				C1000-24PP-4G-L	16 × 1GE, 8 × 1 GE PoE+, 4 × 1GE SFP
	WS-C2960+24LC WS-C2960+24PC		WS-C2960L-24PS	C1000-24P-4G C1000-24FP-4G	24 × 1GE PoE+, 4 × 1GE SFP
			WS-C2960L-24TQ	C1000-24T-4X	24 × 1GE, 4 × 10GE SFP+
			WS-C2960L-24PQ	C1000-24P-4X C1000-24FP-4X	24 × 1GE PoE+, 4 × 10GE SFP+
WS-C2960S-F48TS WS-C2960S-48TS	WS-C2960+48TC	WS-C2960X-48TS	WS-C2960L-48TS	C1000-48T-4G	48 × 1GE, 4 × 1GE SFP
				C1000-48PP-4G-L	36 × 1GE, 12 × 1 GE PoE+, 4 × 1GE SFP
	WS-C2960+48PST		WS-C2960L-48PS	C1000-48P-4G C1000-48FP-4G	48 × 1GE PoE+, 4 × 1GE SFP
			WS-C2960L-48TQ	C1000-48T-4X	48 × 1GE, 4 × 10GE SFP+
			WS-C2960L-48PQ	C1000-48P-4X C1000-48FP-4X	48 × 1GE PoE+, 4 × 10GE SFP+

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Benefits of Transitioning to Cisco Catalyst 9200 Series

Feature		Catalyst 2960-X	Catalyst 2960-XR	Catalyst 9200	Benefit
Scale and Performance	Bandwidth per Stack	80 Gbps	80 Gbps	80 Gbps 160 Gbps	Twice the density at nearly the same price.
	Uplinks	4 × 1GE 2 × 10GE	4 × 1GE 2 × 10GE	4 × 1GE 4 × 10GE 2 × 25GE	
	Multigigabit Downlink			✓	Support speeds above 1G in traditional cabling environments.
Advanced Security	Full Flexible NetFlow	✓	✓	✓	
	TrustSec and SGT for Wired and Wireless	✓	✓	✓	Orchestrate role-based access to corporate resources.
	Trustworthy Systems	✓*1	✓*1	✓	
	Native MACsec			✓	AES-128, MACsec-128.
Simplicity and Automation	IOS XE OS			✓	Single common network OS across routing, switching, wireless, and IoT.
	Model-Driven Pogrammability			✓	Standards-based programmable interfaces.
	Streaming Telemetry			✓	Rich contextual insights.
	SD-Access Programmability			✓	Automation and assurance.

*1 Except some models.

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Cisco Catalyst Transition Guide

Transition Map

Legacy Model	Existing Model		New Model		
Catalyst 2960-S (-L)	Catalyst 2960-X (-L)	Catalyst 2960-XR (-I)	Catalyst 9200	Interface	
WS-C2960S-F24TS WS-C2960S-24TS	WS-C2960X-24TS		C9200L-24T-4G	24 × 1GE, 4 × 1GE SFP	
WS-C2960S-F24PS WS-C2960S-24PS	WS-C2960X-24PS WS-C2960X-24PSQ		C9200L-24P-4G	24 × 1GE PoE+, 4 × 1GE SFP	
WS-C2960S-24TD	WS-C2960X-24TD		C9200L-24T-4X	24 × 1GE, 4 × 10GE SFP+	
WS-C2960S-24PD	WS-C2960X-24PD		C9200L-24P-4X	24 × 1GE PoE+, 4 × 10GE SFP+	
			C9200L-24PXG-4X	16 × 1GE PoE+, 8 × mGig PoE+, 4 × 10GE SFP+	
			C9200L-24PXG-2Y	16 × 1GE PoE+, 8 × mGig PoE+, 2 × 25GE SFP28	
WS-C2960S-F48TS WS-C2960S-48TS	WS-C2960X-48TS		C9200L-48T-4G	48 × 1GE, 4 × 1GE SFP	
WS-C2960S-F48LPS WS-C2960S-48LPS WS-C2960S-F48FPS WS-C2960S-48FPS	WS-C2960X-48LPS WS-C2960X-48FPS		C9200L-48P-4G	48 × 1GE PoE+, 4 × 1GE SFP	
WS-C2960S-48TD	WS-C2960X-48TD		C9200L-48T-4X	48 × 1GE, 4 × 10GE SFP+	
WS-C2960S-48LPD WS-C2960S-48FPD	WS-C2960X-48LPD WS-C2960X-48FPD		C9200L-48P-4X	48 × 1GE PoE+, 4 × 10GE SFP+	
			C9200L-48PXG-4X	36 × 1GE PoE+, 12 × mGig PoE+, 4 × 10GE SFP+	
			C9200L-48PXG-2Y	40 × 1GE PoE+, 8 × mGig PoE+, 2 × 25GE SFP28	
		WS-C2960XR-24TS WS-C2960XR-24TD	C9200-24T	24 × 1GE	Network modules are supported: • 4 × 1GE SFP • 4 × 10GE SFP+
		WS-C2960XR-24PS WS-C2960XR-24PD	C9200-24P	24 × 1GE PoE+	
		WS-C2960XR-48TS WS-C2960XR-48TD	C9200-48T	48 × 1GE	
		WS-C2960XR-48LPS WS-C2960XR-48FPS WS-C2960XR-48LPD WS-C2960XR-48FPD	C9200-48P	48 × 1GE PoE+	
			C9200-24PXG	16 × 1GE PoE+, 8 × mGig PoE+	Network modules are supported: • 4 × 1GE SFP • 4 × 10GE SFP+ • 2 × 25GE SFP28 • 2 × 40GE QSFP+
			C9200-48PXG	40 × 1GE PoE+, 8 × mGig PoE+	

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Cisco Catalyst Transition Guide

Benefits of Transitioning to Cisco Catalyst 9300 Series

Feature		Catalyst 3560-X/3750-X	Catalyst 3650	Catalyst 3850	Catalyst 9300	Benefit
Scale and Performance	Bandwidth per Stack	64 Gbps	160 Gbps	480 Gbps	320 Gbps 480 Gbps	Greater throughput.
	Uplinks	4 × 1GE 2 × 10 GE	4 × 1GE 2 × 10GE 4 × 10GE 8 × 10GE 2 × 40GE	4 × 1GE 2 × 10GE 4 × 10GE 8 × 10GE 2 × 40GE	4 × 1GE 4 × mGig 4 × 10GE 8 × 10GE 2 × 25GE 2 × 40GE	Greater uplink scale.
	Multigigabit Downlink		✓	✓	✓	Support speeds above 1G in traditional cabling environments.
Advanced Security	Native Flexible NetFlow		✓	✓	✓	
	TrustSec and SGT for Wired and Wireless	Wired only	✓	✓	✓	Orchestrate role-based access to corporate resources.
	Trustworthy Systems		✓	✓	✓	
	Native MACsec-256			✓*1	✓	Most secure link authentication and encryption.
	Encrypted Traffic Analytics (ETA)				✓	Detect malware hiding in encrypted traffic without decrypting it.
Simplicity and Automation	x86 CPU				✓	Faster CPU performance.
	IOS XE OS		✓	✓	✓	Single common network OS across routing, switching, wireless, and IoT.
	KVM and Container-based Hosting Environments				✓	App hosting in the network.
	Guest Shell			✓	✓	On-box Python scripting.
	Model-Driven Pogrammability			✓	✓	Standards-based programmable interfaces.
	Streaming Telemetry			✓	✓	Rich contextual insights.
	Fabric-in-a-box				✓	
	SD-Access Programmability			✓	✓	Enable SD-Access without needing separate devices for each fabric role.

*1 Except some models.

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Cisco Catalyst Transition Guide

Transition Map

Legacy Model		Existing Model		New Model		
Catalyst 3560-X	Catalyst 3750-X	Catalyst 3650	Catalyst 3850	Catalyst 9300	Interface	
WS-C3560X-24T		WS-C3650-24TS		C9300L-24T-4G	24 × 1GE, 4 × 1GE SFP	
WS-C3560X-24P		WS-C3650-24PS		C9300L-24P-4G	24 × 1GE PoE+, 4 × 1GE SFP	
		WS-C3650-24TD		C9300L-24T-4X	24 × 1GE, 4 × 10GE SFP+	
		WS-C3650-24PD WS-C3650-24PDM		C9300L-24P-4X	24 × 1GE PoE+, 4 × 10GE SFP+	
WS-C3560X-24U		WS-C3650-8X24PD WS-C3650-8X24UQ		C9300L-24UXG-4X	16 × 1GE UPOE, 8 × mGig UPOE, 4 × 10GE SFP+	
				C9300L-24UXG-2Q	16 × 1GE UPOE, 8 × mGig UPOE, 2 × 40GE QSFP+	
WS-C3560X-48T		WS-C3650-48TS		C9300L-48T-4G	48 × 1GE, 4 × 1GE SFP	
WS-C3560X-48P WS-C3560X-48PF		WS-C3650-48PS WS-C3650-48FS		C9300L-48P-4G C9300L-48PF-4G	48 × 1GE PoE+, 4 × 1GE SFP	
		WS-C3650-48TD WS-C3650-48TQ		C9300L-48T-4X	48 × 1GE, 4 × 10GE SFP+	
		WS-C3650-48PD WS-C3650-48FD WS-C3650-48PQ WS-C3650-48FQM WS-C3650-48FQ		C9300L-48P-4X C9300L-48PF-4X	48 × 1GE PoE+, 4 × 10GE SFP+	
WS-C3560X-48U		WS-C3650-12X48FD WS-C3650-12X48UQ WS-C3650-12X48UR		C9300L-48UXG-4X	36 × 1GE UPOE, 12 × mGig UPOE, 4 × 10GE SFP+	
		WS-C3650-12X48UZ		C9300L-48UXG-2Q	36 × 1GE UPOE, 12 × mGig UPOE, 2 × 40GE QSFP+	
	WS-C3750X-24T		WS-C3850-24T	C9300-24T	24 × 1GE	Network modules are supported: • 4 × 1GE SFP • 4 × mGig • 8 × 10GE SFP+ • 2 × 25GE SFP28 • 2 × 40GE QSFP+
	WS-C3750X-24P		WS-C3850-24P	C9300-24P	24 × 1GE PoE+	
	WS-C3750X-24U		WS-C3850-24U	C9300-24U	24 × 1GE UPOE	
			WS-C3850-24XU	C9300-24UX	24 × mGig UPOE	
	WS-C3750X-48T		WS-C3850-48T	C9300-48T	48 × 1GE	
	WS-C3750X-48P WS-C3750X-48PF		WS-C3850-48P WS-C3850-48F	C9300-48P	48 × 1GE PoE+	
	WS-C3750X-48U		WS-C3850-48U	C9300-48U	48 × 1GE UPOE	
			WS-C3850-12X48U	C9300-48UXM	36 × mGig (1/2.5GE) UPOE, 12 × mGig UPOE	
				C9300-48UN	48 × mGig (1/2.5/5GE) UPOE	
	WS-C3750X-12S		WS-C3850-12S	C9300-24S	24 × 1GE SFP	
	WS-C3750X-24S		WS-C3850-24S	C9300-48S	48 × 1GE SFP	

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