

Cisco Catalyst 2960/2960-SF/2960-S Series Transition Guide

The Cisco Catalyst 2960-L Series Switches are ideal for the replacement of the existing Cisco Catalyst Switches, especially Cisco Catalyst 2960-C/SF/S/Plus Series LAN Lite models. You can upgrade these Fast Ethernet switches to Gigabit Ethernet switches without impairing their functions.

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Table 1. Migration to Catalyst 2960-L

Legacy Models			Current Models		
Catalyst 2960-C	Catalyst 2960-SF	Catalyst 2960-S	Catalyst 2960-Plus	Catalyst 2960-X	Catalyst 2960-L
WS-C2960C-8TC-S	--	--	--	--	WS-C2960L-8TS-LL
--	--	--	--	--	WS-C2960L-8PS-LL
--	--	--	--	--	WS-C2960L-16TS-LL
--	--	--	--	--	WS-C2960L-16PS-LL
--	WS-C2960S-F24TS-S	WS-C2960S-24TS-S	WS-C2960+24TC-S	WS-C2960X-24TS-LL	WS-C2960L-24TS-AP
--	--	--	WS-C2960+24LC-S WS-C2960+24PC-S	--	WS-C2960L-24PS-AP
--	WS-C2960S-F48TS-S	WS-C2960S-48TS-S	WS-C2960+48TC-S	WS-C2960X-48TS-LL	WS-C2960L-48TS-AP
--	--	--	WS-C2960+48PST-S	--	WS-C2960L-48PS-AP

Cisco Catalyst 2960-L Series Switches-Highlights



Cisco Catalyst 2960-L Series Switches are entry-level, fixed-configuration, Gigabit Ethernet switches that provide enterprise-class Layer 2 access for branch offices, conventional workspaces, and out-of-wiring closet applications.

■ Highlights

- 6, 24, or 48 Gigabit Ethernet ports with line-rate forwarding.
- 2- or 4 Gigabit Small Form-Factor Pluggable (SFP) uplinks.
- power over Ethernet Plus (PoE+) support with up to 370W of power budget.
- Fanless operation and operational temperature up to 55°C for deployment outside the wiring closet.
- Higher mean time between failure (MTBF), because they have no moving mechanical parts.
- Less than 11.5-inch depth fit in use cases with space limitation.
- Reduced power consumption and advanced energy management features.
- RJ45 and USB console access for simplified operations.
- Intuitive web user interface for easy deployment and management.
- Cisco IOSR Software features.
- Enhanced limited lifetime warranty offering next-business-day hardware replacement.

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Table 2. Cisco Catalyst 2960-SF/2960-Plus Series^{*1}

Stacking Supported	Stacking Not Supported
Legacy Models	Current Models
WS-C2960S-F24TS-S ^{*2}	<u>WS-C2960+24TC-S</u>
	<u>WS-C2960+24LC-S</u>
	<u>WS-C2960+24PC-S</u>
WS-C2960S-F48TS-S ^{*2}	<u>WS-C2960+48TC-S</u>
	<u>WS-C2960+48PST-S</u>
WS-C2960S-F24TS-L	<u>WS-C2960+24TC-L</u>
WS-C2960S-F24PS-L	<u>WS-C2960+24LC-L</u>
	<u>WS-C2960+24PC-L</u>
WS-C2960S-F48TS-L	<u>WS-C2960+48TC-L</u>
WS-C2960S-F48LPS-L	<u>WS-C2960+48PST-L</u>
WS-C2960S-F48FPS-L	<u>WS-C2960+48PST-L</u>

Table 3. Comparison of Main Features: 2960-Plus vs. 2960-SF vs. 2960-S vs. 2960-X

Series	2960-Plus	2960-SF 2960-S	2960-X
Cisco IOS 15.0(2)SE and higher	•	•	•
Cisco IOS IP Lite	—	—	• *3
IPv6	•	•	•
Full PoE	•	•	•
PoE +	—	•	•
Duplexed power supply	—	—	•
FlexStack	—	•	•
FlexStack Plus	—	—	•

Table 4. Cisco Catalyst 2960-S/2960-X Series^{*1}

Stacking Supported	
Legacy Models	Current Models
WS-C2960S-24TS-S ^{*2}	<u>WS-C2960X-24TS-LL</u> ^{*2}
WS-C2960S-48TS-S ^{*2}	<u>WS-C2960X-48TS-LL</u> ^{*2}
WS-C2960S-24TS-L	<u>WS-C2960X-24TS-L</u>
	<u>WS-C2960XR-24TS-I</u>
WS-C2960S-24TD-L	<u>WS-C2960X-24TD-L</u>
	<u>WS-C2960XR-24TD-I</u>
WS-C2960S-24PS-L	<u>WS-C2960X-24PSQ-L</u> ^{*2}
	<u>WS-C2960X-24PS-L</u>
	<u>WS-C2960XR-24PS-I</u>
WS-C2960S-24PD-L	<u>WS-C2960X-24PD-L</u>
	<u>WS-C2960XR-24PD-I</u>
WS-C2960S-48TS-L	<u>WS-C2960X-48TS-L</u>
	<u>WS-C2960XR-48TS-I</u>
WS-C2960S-48TD-L	<u>WS-C2960X-48TD-L</u>
	<u>WS-C2960XR-48TD-I</u>
WS-C2960S-48LPS-L	<u>WS-C2960X-48LPS-L</u>
	<u>WS-C2960XR-48LPS-I</u>
WS-C2960S-48FPS-L	<u>WS-C2960X-48FPS-L</u>
	<u>WS-C2960XR-48FPS-I</u>
WS-C2960S-48LPD-L	<u>WS-C2960X-48LPD-L</u>
	<u>WS-C2960XR-48LPD-I</u>
WS-C2960S-48FPD-L	<u>WS-C2960X-48FPD-L</u>
	<u>WS-C2960XR-48FPD-I</u>

More info about Cisco FlexStack Plus module

When equipped with the **optional Cisco FlexStack Plus Module (C2960X-STACK)**, the **LAN Base/IP Lite models** of the Cisco Catalyst 2960-X Series support connection of up to eight switches in a stack at 80 Gbps.

Table 5. Combined Stacks (Cisco FlexStack & Cisco FlexStack-Plus) Compatibility List

Type	2960-SF/S LAN Base	2960-X LAN Base	2960-XR IP Lite
2960-SF/S LAN Base	•	•	—
2960-X LAN Base	•	•	—
2960-XR IP Lite	—	—	•

Cisco FlexStack Plus is backward-compatible with Cisco FlexStack. Up to four switches can be connected in a stack at 40 Gbps when (and only when) the LAN-Base model of the Cisco Catalyst 2960-X Series is combined with the LAN Base model of the Cisco Catalyst 2960-SF/S Series.

Table 6. Cisco FlexStack Plus Module

SKU	C2960X-STACK
Compatible IOS	LAN Base/IP Lite
Maximum Number of Devices	8
Stack Bandwidth	80 Gbps
Architecture	Hardware drop table
Dynamic Ring Load-balancing	—
Stack Convergence	100 milliseconds

**1 Search for EOL10043 at cisco.com.*

**2 Stacking is not supported.*

**3 LAN Lite/LAN Base models are not supported.*

Cisco Catalyst 2960-X Series-Highlights



Stackable L2/L3 fixed-configuration switches equipped Gigabit Ethernet downlink ports. A flexible and redundant power supply configuration is achieved via a stack function and mounting of multiple power supply modules or a redundant power supply system.

■ Highlights

- Equipped with Cisco IOS Universal Image (Supports LAN Lite/LAN Base/IP Lite)
- Supports Layer 3 functions including HSRP and VRRP (IP Lite model)
- Equipped with PoE+ power supplying downlink ports (PSE model)
- Equipped with full PoE powering power supply (WS-C2960X-48FPS-L/WS-C2960X-48FPD-L/WS-C2960XR-48FPS-I/WS-C2960XR-48FPD-I)
- Supports multiple Power Supply Modules (IP Lite model)
- Supports Cisco FlexStack Plus (LAN Base/IP Lite models)

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