



Migration Guide

Cisco Catalyst 2950G Series
Cisco Catalyst 2950T Series

Products Affected by the End-of-Sale Announcement



Cisco Catalyst 2950 (Select Models Only)

EoL/EoS Products	Replacement Products*	EoS Announced	End of Sale	End of Software Maintenance Releases	End of Hardware Support
WS-C2950G-48-EI	WS-C3560-48PS	4/17/06	12/31/06	12/31/07	12/30/11
	WS-C3560-48TS				
	WS-C2960-48TC				
WS-C2950G-24-EI	WS-C3560-24PS				
	WS-C3560-24TS				
	WS-C2960-24TC				
WS-C2950G-12-EI	WS-C3560-24PS				
	WS-C3560-24TS				
	WS-C2960-24TC				
WS-C2950T-24	WS-C2960-24TT				
WS-C2950T-48-SI	WS-C2960-48TT				

* Higher port density deployments may be better suited for Cisco StackWise Technology in the Cisco Catalyst 3750 Series switches

Cisco Catalyst 2950 Series Switches **Not** Affected by the EoL/EoS Announcement

Product Part Number Not Affected by EoS Announcement	Product Description
WS-C2950C-24	24 10/100 + 2 100BASE-FX + Enhanced Image
WS-C2950G-24-EI-DC	24 10/100 + 2 GBIC + Enhanced Image + DC Power
WS-C2950-12	12 10/100 + Standard Image
WS-C2950-24	24 10/100 + Standard Image
WS-C2950SX-24	24 10/100 + 2 1000BASE-SX + Standard Image

Product Comparisons (1/3)

Feature	Cisco Catalyst 2950G	Cisco Catalyst 2960	Cisco Catalyst 3750 Cisco Catalyst 3560
Interconnect Technology	Gigastack GBIC	–	<ul style="list-style-type: none"> • Cisco StackWise Technology in the Catalyst 3750; • SFP Interconnect in the Catalyst 3560
DRAM	16MB	64MB	128MB
Flash	8MB	32MB	32MB
Power over Ethernet	–	–	Yes
Dynamic Routing	–	–	Yes
IPv6	–	–	Yes

Product Comparisons (2/3)

Feature	Cisco Catalyst 2950G	Cisco Catalyst 2960	Cisco Catalyst 3750 Cisco Catalyst 3560
Jumbo Frame Support	–	Yes (10/100/1000 ports)	Yes (10/100/1000 ports)
Auto-MDIX	–	Yes	Yes
TDR	–	Yes	Yes (GE ports)
ACLs	300 ACEs	512 ACEs	2000 ACEs
Flexlinks	–	Yes	Yes

Product Comparisons (3/3)

Feature	Cisco Catalyst 2950G	Cisco Catalyst 2960	Cisco Catalyst 3750 Cisco Catalyst 3560
Security	NAC LAN port 802.1X only	NAC LAN port 802.1X only	NAC LAN port 802.1X; NAC LAN port IP; Dynamic ARP Inspection; IP Source Guard; PVLAN; RACL, VACL
QoS	WRR	SRR + WTD	SRR + WTD
QoS-Egress Shaping or Egress Policing	Policing (Ingress only)	Shaping	Shaping

Benefits of the Cisco Catalyst 3750 and the Cisco Catalyst 3560 Series



Catalyst 3750 and Catalyst 3560 Enterprise-Class Switches

Stackwise (Cat 3750)	<ul style="list-style-type: none">• Stack operates as a single unified system with integrated stack management• Automatic SW version checking• Auto configuration• 1:N Master failover (sub second L2, sub 3-seconds L3)• Cross stack Etherchannel• Hot add/delete: plug-and-play
L3 Routing	<ul style="list-style-type: none">• Advanced routing protocols like OSPF, EIGRP, and EIGRP-stub• Multicast routing: DVMRP tunneling and PIM• Equal cost routing for load balancing• Multi VRF-CE• IPv6 forwarding and management
PoE	<ul style="list-style-type: none">• 24 and 48 port available in FE or GE models
Higher Density GE	<ul style="list-style-type: none">• 24 10/100/1000 + 4 SFP• 48 10/100/1000 + 4 SFP
Enhanced Security	<ul style="list-style-type: none">• NAC LAN port IP• Dynamic ARP Inspection• IP Source Guard• PVLAN• RACLs
Scalability	<ul style="list-style-type: none">• 2000 ACEs for Security, QoS, and multicast filtering• 1000 VLANs• 2K multicast groups

Cisco StackWise Technology in the Cisco Catalyst 3750

- **32-Gbps Stack Interconnect**
- **Stack up to 9 Units**
- **Separate Stacking Port**
- **1:N Master Redundancy**
- **Autoconfiguration and Cisco IOS®
Version Check/update**
- **Cross-Stack EtherChannel and QoS**
- **Line-Speed Performance with QoS
and ACLs for Gigabit Ethernet**
- **Hot Add and Delete of Gigabit
Ethernet and Fast Ethernet
Chassis in Same Stack**
- **Patented Cable Connector**

**Unified Stacking,
Behaving As a Single Unit**



Power over Ethernet

Why PoE

- Enables the network for IP Telephony and Wireless access
- Eliminate the need for separate electrical wiring
- Protect your investment and avoid costly upgrades

Cisco Catalyst Advantages

- Standards-based IEEE 802.3af guarantees device interoperability
- Intelligent power management with granular control
- Cisco's Redundant Power Supply (RPS675) maximizes reliability
- Both Cisco pre-standard POE and 802.3af are fully supported
- Wide selection of powered devices

IP Phones

Wireless Access Points

Surveillance cameras

Access Card Readers



Gigabit Ethernet

- **Proven Technology**

Over 80% of desktops and notebooks are now shipped with GE¹

Increased PC bus speeds and server TCP offload engines (TOE) allow for full bandwidth utilization

- **Easy to Deploy**

Works over existing Cat-5 cabling

- **Prepares the Network for Future Application Demands**

Scales beyond 100Mbps as bandwidth requirements increase

Protects your investment and avoids a costly upgrade

- **Storage**

Takes advantage of simple and affordable Network Attached Storage (NAS)

- **Clustering**

Enables high performance GRID and distributed computing

- **Software Applications**

Data Backup, Database Access, Microsoft Exchange, File Sharing, Collaborative Development, Remote Operating System Updates, Scientific Modeling, Medical Imaging, Video Production

Prepares your network to leverage capabilities in next generation operating systems, such as Microsoft Vista

¹ www.gigabitsolution.com

The Routed Access (Layer 3) Advantage

- **Routed Access (RA) utilizes routing in the wiring closet**
- **Benefits**
 - Simplified Network Implementation** with only 1 control protocol
 - Worst Case 200 ms node/link failover/recovery**
 - Easier Troubleshooting**
- **Works with OSPF, EIGRP and EIGRP-stub (in IP Base)**
- **RA was thoroughly tested in a large real-world network**

Security: NAC Framework Deployment Options

	LAN Port 802.1X Basic (LP1X)	LAN Port IP (LPIP)
Switch Models	Catalyst 3750, Catalyst 3560 and Catalyst 2960	Catalyst 3750 and Catalyst 3560
Credentials	Carries credentials inside EAPoL along with user authentication	Carries credentials inside EAPoUDP, completely independent of any user authentication
Trigger	Triggered by normal 802.1X exchange	Triggered by ARP or DHCP traffic from the host
Enforcement Policy	RADIUS VLAN Assignment	RADIUS IP Downloadable ACLs
Client Requirements	Requires an enhanced supplicant with CTA built-in	Can be used with or without CTA (clientless host)

IPv6 Services

- IPv6 expands the network address space, improves ease of use, mobility, security
- IPv6 services are supported in hardware for maximum performance and investment protection
- The Catalyst 3750 and 3560 support IPv6 routing, management, multicast, and ACLs; **host management available in IP Base license**

IP Service	IPv4 Solution	IPv6 Solution
Addressing Range	32-bit, NAT	128-bit, Multiple Scopes
Autoconfiguration	DHCP	Serverless, Auto-Config
Mobility	Mobile IP	Mobile IP, but no foreign agent required
Multicast	Many protocols use broadcast traffic	More protocols use efficient multicast traffic
Security	IPSec Support Optional	IPSec Support Mandatory



For more information: <http://www.cisco.com/go/ipv6>

Questions?

- Further information in the EoL/EoS notice at

http://www.cisco.com/en/US/products/hw/switches/ps628/prod_literature.html

- Useful URLs:

For more information about Cisco Catalyst Family of switches, visit <http://www.cisco.com/en/US/products/hw/switches/index.html> or contact your local account representative.

For more information about the Cisco End-of-Life Policy, go to: http://www.cisco.com/en/US/products/prod_end_of_life.html

To subscribe to receive end-of-life/end-of-sale information, go to: <http://www.cisco.com/cgi-bin/Support/FieldNoticeTool/field-notice>

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