



Cisco Catalyst 2960 Series Switches



Feature Matrix

Cisco Catalyst 2960 Series Switches

Cisco® Catalyst® 2960 LAN Base Series



Catalyst 2960 LAN Lite Series



- Provides Fast Ethernet, Gigabit Ethernet, and Power over Ethernet for entry-level enterprise and mid-market customers
 - Offers enhanced Layer 2+ intelligent LAN services:
 - Availability**
 - Enhanced security**
 - Advanced quality of service (QoS)**
 - Offers simplified management and troubleshooting for lower total cost of ownership
 - Offers CiscoWorks LMS, Cisco Network Assistant and Cisco Smartports
 - Provides limited lifetime hardware warranty and software updates at no additional charge
- Offers Fast Ethernet in 8, 24- and 48-port configurations for small branch offices and wiring closets
 - Offers standard Layer 2 services with entry-level availability, security, and QoS
 - Scalable and secure network management**
 - Offers simplified management and troubleshooting for lower total cost of ownership
 - Offers CiscoWorks LMS, Cisco Network Assistant and Cisco Smartports
 - Provides limited lifetime hardware warranty and software updates at no additional charge

Uses Cisco ASICs for superior quality and hardware and software integration

Cisco Catalyst 2960 LAN Base Series — Model Overview

Cisco® Catalyst® 2960-24PC-L



- 24 10/100 PoE ports
- 2 dual-purpose uplink ports

Cisco Catalyst 2960-24LT-L



- 24 10/100 ports (8 PoE ports)
- 2 10/100/1000 uplink ports

Cisco Catalyst 2960PD-8TT-L



- 8 10/100/1000 ports
- 1 10/100/1000 PoE Input port
- Compact form-factor with no fan

Cisco Catalyst 2960G-24TC-L



- 20 10/100/1000 ports
- 4 dual-purpose uplink ports

Cisco Catalyst 2960G-48TC-L



- 44 10/100/1000 ports
- 4 dual-purpose uplink ports

Cisco Catalyst 2960G-8TC-L



- 7 10/100/1000 ports
- 1 dual-purpose uplink port
- Compact form-factor with no fan

Cisco Catalyst 2960-24TC-L



- 24 10/100 ports
- 2 dual-purpose uplink ports

Cisco Catalyst 2960-48TC-L



- 48 10/100 ports
- 2 dual-purpose uplink ports

Cisco Catalyst 2960-8TC-L



- 8 10/100 ports
- 1 dual-purpose uplink port
- Compact form-factor with no fan

Cisco Catalyst 2960-24TT-L



- 24 10/100 ports
- 2 10/100/1000 uplink ports

Cisco Catalyst 2960-48TT-L



- 48 10/100 ports
- 2 10/100/1000 uplink ports

Software

LAN Base Image

- Enterprise-class intelligent services: Advanced QoS, enhanced security, high availability

Cisco Catalyst 2960 LAN Lite Series — Model Overview

Cisco® Catalyst® 2960-24TC-S



- 24 10/100 ports
- 2 dual-purpose uplink ports

Cisco Catalyst 2960-48TC-S



- 48 10/100 ports
- 2 dual-purpose uplink ports

Cisco Catalyst 2960-24-S



- 24 10/100 ports

Cisco Catalyst 2960-48TT-S



- 48 10/100 ports
- 2 10/100/1000 uplink ports

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Cisco Catalyst 2960-8TC-S



- 8 10/100 ports
- 1 dual-purpose uplink port
- Compact form-factor with no fan

Software

LAN Lite Image

- Entry level QoS, security, and availability with a focus on ease-of-use and lower total cost of ownership

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Note: Cisco Catalyst 2960 Switches Cannot Be Upgraded or Downgraded Between LAN Base and LAN Lite Software.

Availability

	Cisco® Catalyst® 2960 LAN Lite	Cisco Catalyst2960 LAN Base
Flash memory or DRAM	32 / 128 MB	32 / 128 MB
RPS Support	No	Yes
Jumbo Frames	Yes	Yes
VLANs	64	255
Voice VLAN	Yes	Yes
VTPv2	Yes	Yes
Cisco Discovery Protocol v2	Yes	Yes
LLDP	Yes	Yes (+MED)
802.3ad LACP	Yes	Yes
Scanning Tree protocol Instances	64	128
802.1w / 802.1s	Yes	Yes
PVST / PVRST+	Yes	Yes
Port Fast / Uplink Fast	Yes	Yes
Flex Link	No	Yes
Link State Tracking	No	Yes

- For more detailed information please read the Cisco Catalyst 2960 LAN Base and Cisco Catalyst 2960 LAN Lite Data Sheets

Quality of Service

	Cisco® Catalyst® 2960 LAN Lite	Cisco Catalyst 2960 LAN Base
Port CoS Trust and Override	Yes	Yes
Trusted Boundary	No	Yes
ACL Classification	No	Yes
Ingress Policing (1MB incr.)	No	Yes
Auto QoS	No	Yes
802.1p queues	4	4
Scheduling	SRR	SRR
Priority Queuing	Yes	Yes
Configure CoS Priority Queues	Yes	Yes
Configure Queue Weights	No	Yes
Configure Buffers and Thresholds	No	Yes
Class & Policy Maps	No	Yes
Modify CoS and DSCP Mapping	No	Yes
DSCP Transparency	Yes	Yes
Weighted Tail Drop	Yes	Yes

Security

	Cisco® Catalyst® 2960 LAN Lite	Cisco Catalyst 2960 LAN Base
SSH, SSL , and SCP	Yes	Yes
RADIUS and TACACS+	Yes	Yes
SNMPv3 crypto	Yes	Yes
802.1x	Yes	Yes
802.1x Accounting / MIB	Yes	Yes
802.1x w/ Port Security	Yes	Yes
802.1x w/ Voice VLAN	Yes	Yes
802.1x Guest VLAN	Yes	Yes
802.1x VLAN assignment	Yes	Yes
802.1x Auth-Fail VLAN	No	Yes
802.1x AAA Fail Open	No	Yes
802.1x WOL	No	Yes
802.1x MAC-Auth Bypass	Yes	Yes
802.1x Web-Auth	No	Yes
802.1x Multi-Domain Auth	No	No
802.1x w/ download ACLs	No	No

Security, Multicast, IPv6

	Cisco® Catalyst® 2960 LAN Lite	Cisco Catalyst 2960 LAN Base
Layer 2-4 ACLs (Port, Time, and DSCP-based)	No	Yes
BPDU / Root Guard	Yes (voice aware)	Yes (voice aware)
Port Security	Yes (voice aware)	Yes (voice aware)
DHCP Snooping	No	Yes
Dynamic ARP Inspection	No	No
IP Source Guard	No	No
DHCP Option 82	No	Yes
DHCP Server	No	Yes
Private VLAN Edge	Yes	Yes
Storm Control	Yes	Yes
Block unknown unicast and multicast	Yes	Yes
IPv6 Host	No	Yes
IPv6 MLD Snooping	No	Yes
MVR	No	Yes
IGMP Snooping	Yes	Yes
IGMP Filter / Throttle	Yes	Yes

Management and Troubleshooting

	Cisco® Catalyst® 2960 LAN Lite	Cisco Catalyst 2960 LAN Base
Auto-MDIX	Yes	Yes
TDR	Yes	Yes
UDLD	Yes	Yes
IP SLA Responder	No	Yes
Layer 2 / IP Traceroute	Yes	Yes
SPAN (# of sessions)	Yes (1)	Yes (2)
RSPAN	No	Yes
Express Setup	Yes	Yes
Device Manager	Yes	Yes
Cisco Network Assistant	Yes	Yes
Smartports + Advisor	Yes	Yes
Troubleshooting Advisor	Yes	Yes
Drag-and-drop Cisco IOS® Upgrade	Yes	Yes
IP Address DHCP	Yes	Yes
Autoinstall with saved configuration	Yes (future)	Yes (future)
Configuration Replace	Yes (future)	Yes (future)
DHCP Auto Image Upgrade	Yes (future)	Yes (future)
DHCP Port Based Allocation	Yes	Yes
Error Disable MIB	Yes	Yes

