



Cisco Catalyst 3560 Series Switching Solutions

At-A-Glance

The Cisco® Catalyst® 3560 Series switches are fixed-configuration switches combining Gigabit Ethernet connectivity and Power over Ethernet (PoE) for small enterprise LAN access and branch office deployments.

Figure 1 Cisco Catalyst 3560 Series



Key Features

- Standalone fixed-configuration switches
- Layer 2–4 switching and intelligent services with dynamic IP routing and IPv6
- Fast Ethernet and Gigabit Ethernet connectivity
- Up to 48 10/100/1000 ports plus 4 Small Form-Factor Pluggable (SFP) ports
- Integrated PoE (Cisco pre-standard and IEEE 802.3af); up to 24 ports with 15.4 watts (W) or 48 ports with 7.7W
- AC power supply failure protection with external redundant power supply
- 8-port Fast Ethernet PoE switch with compact form factor and no fan
- Limited lifetime warranty

Key Benefits

- **Availability**—802.1S/W enables standards-based fault tolerance, load balancing, and rapid recovery; the Flexlink feature provides sub-100-millisecond convergence; Per VLAN Spanning Tree Plus (PVST+) increases available bandwidth by allowing traffic on redundant link.
- **Power over Ethernet (PoE)**—370W PoE simplifies IP telephony, wireless, and video surveillance deployments; intelligent power management features provide greater control and help extend the power budget; PoE combined with Fast Ethernet or Gigabit Ethernet maximizes existing infrastructure investment.
- **Layer 3**—Advanced routing protocols such as Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Border Gateway Protocol (BGP), static routing, and Policy Based Routing (PBR) increase network scale; equal cost routing as well as multicast routing such as Protocol Independent Multicast (PIM) maximize network resources; Virtual Route Forwarding Lite (VRFLite) secures traffic; IPv6 simplifies network addressing and mobile IP while increasing security.
- **QoS**—Traffic Shaping smoothes bursty traffic flows without dropping packets; shaped Round Robin guarantees bandwidth to mission-critical applications; Scavenger Queuing protects against worms overloading resources.
- **Management**—Cisco Smartports quicken and simplify configuration of advanced Cisco Catalyst intelligent capabilities; express setup enables quick and easy setup through a Web interface; resource templates help tailor switch resources for the application.

- **Security**—Dynamic Host Configuration Protocol (DHCP) snooping allows only trusted ports to relay DHCP messages, eliminating rogue DHCP servers; Network Access Control (NAC) prevents the propagation of costly worms and viruses; Dynamic ARP inspection and IP Source Guard prevent against man-in-the-middle attacks; 802.1x and Identity-based Network Services allow only authorized persons on the network; port security prevents MAC address flooding attacks.

Customers

The Cisco Catalyst 3560 Series solutions are ideal for:

- Customers with 250 or more employees who need **network equipment to enhance business productivity**.
- Customers who expect **resiliency, security, and scalability**.
- Customers who want to **quickly deploy and easily manage their networks**.
- Customers who are planning to deploy **IP telephony, wireless, or gigabit-to-the-desktop (GTTD)**.

Software Options

Cisco Catalyst 3560 Series switches can be purchased with the IP Base (formerly called SMI) or IP Services (formerly called EMI) licenses.

- The IP Base license offers advanced QoS, rate-limiting, ACLs, IGMP Snooping, and routing capabilities such as RIP, static routing, and EIGRP Stub.
- The IP Services license provides a richer set of enterprise-class features, including advanced hardware-based IP Unicast and IP Multicast routing, PRB, and advanced IP routing protocols.



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Product Availability

Shipping worldwide, no restrictions.

Pricing Information

<http://www.cisco.com/cgi-bin/front.xpricing?Request=Home>

For More Information

<http://www.cisco.com/en/US/products/hw/switches/ps5528/index.html>

Ordering Information

Part Numbers (without PoE)

Part No.	Description
WS-C3560G-24TS-S	24 10/100/1000T + 4 SFP IP Base Image
WS-C3560G-24TS-E	24 10/100/1000T + 4 SFP IP Services Image
WS-C3560G-48TS-S	48 10/100/1000T + 4 SFP IP Base Image
WS-C3560G-48TS-E	48 10/100/1000T + 4 SFP IP Services Image
WS-C3560-24TS-S	24 10/100 + 2 SFP IP Base Image
WS-C3560-24TS-E	24 10/100 + 2 SFP IP Services Image
WS-C3560-48TS-S	48 10/100 + 4 SFP IP Base Image
WS-C3560-48TS-E	48 10/100 + 4 SFP IP Services Image
WS-C3560-24TS-S	24 10/100 + 2 SFP IP Base Image
WS-C3560-24TS-E	24 10/100 + 2 SFP IP Services Image
WS-C3560-48TS-S	48 10/100 + 4 SFP IP Base Image
WS-C3560-48TS-E	48 10/100 + 4 SFP IP Services Image

Part Numbers (with PoE)

Part No.	Description
WS-C3560G-24PS-S	24 10/100/1000T PoE + 4 SFP IP Base Image
WS-C3560G-24PS-E	24 10/100/1000T PoE + 4 SFP IP Services Image
WS-C3560G-48PS-S	48 10/100/1000T PoE + 4 SFP IP Base Image
WS-C3560G-48PS-E	48 10/100/1000T PoE + 4 SFP IP Services Image
WS-C3560-8PC-S	8 10/100 PoE + 1 dual-purpose 10/100/1000 or SFP uplink; IP Base Image
WS-C3560-24PS-S	24 10/100 PoE + 2 SFP IP Base Image
WS-C3560-24PS-E	24 10/100 PoE + 2 SFP IP Services Image
WS-C3560-48PS-S	48 10/100 PoE + 4 SFP IP Base Image
WS-C3560-48PS-E	48 10/100 PoE + 4 SFP IP Services Image