

WS-C3560E-48PD-SF Datasheet



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Overview

Cisco Catalyst 3560-E Series is an enterprise-class line of standalone access and aggregation switches that ease the deployment of secure converged applications. Cisco 3560E switches combine 10/100/1000 and Power over Ethernet (PoE) configurations with uplinks that easily upgrade from 1 Gb Ethernet to 10 Gb Ethernet. They enhance worker productivity by enabling applications such as IP telephony, wireless, and video.

- 48 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports
- 128-Gbps wire rate, nonblocking switching fabric capacity
- Field-replaceable 1150WAC power supply and fan tray
- 800W available for Enhanced PoE, allowing > 15.4W to all 48 ports
- 1-RU fixed configuration multilayer switch
- IPv6
- IP Base software feature set (IPB)

Specification

Specifications	
Type	Fixed
Topology	Ethernet (10/100/1000 Ethernet PortsBaseT) Gigabit Ethernet (SFP) 10 Gigabit Ethernet (X2)
Maximum Port density	48 10/100/1000 Ethernet Ports PoE ports
Uplinks	2 X2 10 Gigabit Ethernet
Modular/Expansion Slots	n/a
Architecture	Layer 2 Switching (basic connectivity), Layer 2 Switching (intelligent services), Layer 3 Switching, Voice Enabled
Form Factor	Fixed, Rack Mountable, Standalone/Clustering
Dimensions	1.75 x 17.5 x 18.1
DRAM	128/256 MB
Features	
Specialized Service Modules	n/a
Security	
DHCP Snooping	✓
Dynamic ARP Inspection	✓
IP Source Guard	✓
RP Rate Limiters	
TCP Intercept	
802.1x	✓

Port Security	<input checked="" type="checkbox"/>
Dynamic VLANs	<input checked="" type="checkbox"/>
Private VLANs	<input checked="" type="checkbox"/>
Private VLAN Edge	<input checked="" type="checkbox"/>
Secure Shell	<input checked="" type="checkbox"/>
SNMPv3	<input checked="" type="checkbox"/>
Unicast RPF	
ACLs (L2-L4)	<input checked="" type="checkbox"/>
Kerberos	<input checked="" type="checkbox"/>
TACACS+	<input checked="" type="checkbox"/>
RADIUS	<input checked="" type="checkbox"/>
High Availability/Resiliency	
Hardware Redundancy	External Redundant Power Supply 1150W, Internal Redundant Power Supply
High Availability/Resiliency	PVST, Broadcast Suppression, Unicast Suppression, Multicast Suppression, Spanning Tree, Portfast, Uplink Fast, Backbone Fast, 802.1s, 802.1w, HSRP
Management	
Management features	SPAN, RSPAN, CiscoView, Cisco Discover Protocol (CDP), Virtual Trunking Protocol (VTP), Telnet Client, BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management
Scalability	
WAN Interface Support	n/a
Throughput	101.2 Mpps
Backplane Capacity	68 Gbps
Number of VLANs	4k, 1024
QoS/VoiceMulticast/Multimedia	
Voice Services	<input checked="" type="checkbox"/>
IPv6 Support	
WRR	
QoS - Policing	
QoS - Scheduling	<input checked="" type="checkbox"/>
802.1p	<input checked="" type="checkbox"/>
802.1Q	<input checked="" type="checkbox"/>
ISL	
CGMP	<input checked="" type="checkbox"/>
DSCP	<input checked="" type="checkbox"/>
L2 -L4 QOS ACLs	<input checked="" type="checkbox"/>

PIM	✓
DMRP	✓
IGMP	✓
IGMP Snooping	✓
QOS - Multiqueues	✓
QOS - Marking Classification	✓
QPM	
Power over Ethernet	✓
Multilayer QOS/Security	
Layer 2	✓
Layer 3	✓
Layer 4	
Layer 4+	

Download Resource

Transition Guide

-  [Guide to Upgrade Cisco Access and Backbone Switch](#)
-  [Selecting Cisco Switches-Campus, Branch, Digital Building](#)

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