# WS-C3560E-48PD-SF Datasheet





## 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              |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|
| Туре                        | 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                 | ⊗  |  |  |  |  |
|-------------------------------|--|--|--|--|--|
| Dynamic VLANs                 | ⊗  |  |  |  |  |
| Private VLANs                 | ⊗  |  |  |  |  |
| Private VLAN Edge             | ⊗  |  |  |  |  |
| Secure Shell                  | ⊗  |  |  |  |  |
| SNMPv3                        | ⊗  |  |  |  |  |
| Unicast RPF                   |  |  |  |  |  |
| ACLs (L2-L4)                  | ⊗  |  |  |  |  |
| Kerberos                      | ⊗  |  |  |  |  |
| TACACS+                       | ⊗  |  |  |  |  |
| RADIUS                        | ⊗  |  |  |  |  |
| High Availability/Resilliency |  |  |  |  |  |
| Hardware Redundancy           | External Redundant Power Supply 1150W, Internal Redundant Power Supply   |  |  |  |  |
| High Availability/Resilliency | PVST, Broadcast Suppression, Unicast Suppression, Mulitcast 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                | ⊗  |  |  |  |  |
| IPv6 Support                  |  |  |  |  |  |
| WRR                           |  |  |  |  |  |
| QoS - Policing                |  |  |  |  |  |
| QoS - Scheduling              | ⊗  |  |  |  |  |
| 802.1p                        | ⊗  |  |  |  |  |
| 802.1Q                        | ⊗  |  |  |  |  |
| ISL                           |  |  |  |  |  |
| CGMP                          | ⊗  |  |  |  |  |
| DSCP                          | ⊗  |  |  |  |  |
| L2 -L4 QOS ACLs               | ⊗  |  |  |  |  |
|                               |  |  |  |  |  |

| 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+                     |   |  |  |  |

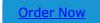
## **Download Resource**

#### **Transition Guide**

🔁 Guide to Upgrade Cisco Access and Backbone Switch

🔁 Selecting Cisco Switches-Campus, Branch, Digital Building

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