WS-C3560E-24TD-SD 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.

- 24 10/100/1000 ports + 2 X2-based 10 Gigabit Ethernet ports
- 160-Gbps wire rate, nonblocking switching fabric capacity
- Field-replaceable DC power supply and fan tray
- 1 rack unit (RU) 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	24 10/100/1000 Ethernet Ports 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	⊗				

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 DC Power Supply, Internal Redundant Flower Supply High Availability/Resilliency PyST, Broadcast Suppression, Multicast Suppression, Spanning Tree, Portfast Uplink Fast, Backbone Fast, 802.1w, HSRP Management Management features SPAN, RSPAN, Clicovlew, Clicco Discover Protocol (CDP), Virtual Trunking Protocol (VTP), Telnet Cl BOOTP, TFIP, ClscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services Protocoling		_				
Private VLANs Private VLAN Edge Secure Shell SNMPv3 Unicast RPF ACLs (12-14) Kerberos TACACS+ RADIUS High Availability/Resilliency Hardware Redundancy External Redundant DC Power Supply, Internal Redundant Power Supply High Availability/Resilliency PvST, Broadcast Suppression, Unicast Suppression, Multicast Suppression, Spanning Tree, Portfast Upplink Fast, Backbone Fast, 802.1s, 802.1w, HSRP Management Management Management Features SPAN, RSPAN, Ciscoview, Cisco Discover Protocol (CDP), Virtual Trunking Protocol (VTP), Telhet Cl BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS-Policing	Port Security	⊗				
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ACLs (L2-L4) Kerberos	SNMPv3	⊗				
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High Availability/Resilliency Hardware Redundancy External Redundant DC Power Supply, 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 SPAN, RSPAN, CiscoView, Cisco Discover Protocol (CDP), Virtual Trunking Protocol (VTP), Telnet Cl BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	Kerberos	⊗				
High Availability/Resilliency Hardware Redundancy External Redundant DC Power Supply, Internal Redundant Power Supply 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 Cl BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	TACACS+	⊗				
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Uplink Fast, Backbone Fast, 802.1s, 802.1w, HSRP	Hardware Redundancy	External Redundant DC Power Supply, Internal Redundant Power Supply				
Management features SPAN, RSPAN, CiscoView, Cisco Discover Protocol (CDP), Virtual Trunking Protocol (VTP), Telnet CI BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	High Availability/Resilliency	PVST, Broadcast Suppression, Unicast Suppression, Mulitcast Suppression, Spanning Tree, Portfast, Uplink Fast, Backbone Fast, 802.1s, 802.1w, HSRP				
BOOTP, TFTP, CiscoWorks, CWSI, RMON, SNMP, Clustering, Web-Based Management Scalability WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	Management					
WAN Interface Support n/a Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	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				
Throughput 65.5 Mpps Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	Scalability					
Backplane Capacity 68 Gbps Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	WAN Interface Support	n/a				
Number of VLANs 4k, 1024 QOS/VoiceMulticast/Multimedia ✓ Voice Services ✓ IPv6 Support WRR QoS - Policing ✓	Throughput	65.5 Mpps				
QOS/VoiceMulticast/Multimedia Voice Services IPv6 Support WRR QoS - Policing	Backplane Capacity	68 Gbps				
Voice Services IPv6 Support WRR QoS - Policing	Number of VLANs	4k, 1024				
IPv6 Support WRR QoS - Policing	QOS/VoiceMulticast/Multimedia					
WRR QoS - Policing	Voice Services	⊗				
QoS - Policing	IPv6 Support					
	WRR					
OoS - Scheduling	QoS - Policing					
- Constanting	QoS - Scheduling	⊗				
802.1p	802.1p	⊗				
802.1Q	802.1Q	⊗				
ISL	ISL					
CGMP	CGMP	⊗				
DSCP	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+	

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Transition Guide

B Guide to Upgrade Cisco Access and Backbone Switch

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