

## Cisco Catalyst 3560-E Series Switches

PB377235

Cisco Systems® is pleased to introduce the new Cisco® Catalyst® 3560-E Series Switches. The Cisco Catalyst 3560-E Series is an enterprise-class line of standalone wiring closet switches that facilitates the deployment of secure converged applications while maximizing investment protection for evolving network and application requirements. Combining 10/100/1000 and Power over Ethernet (PoE) configurations with 10 Gigabit Ethernet uplinks, the Cisco Catalyst 3560-E enhances worker productivity by enabling applications such as IP telephony, wireless, and video.

### Cisco Catalyst 3560-E Series Primary Features

- Cisco TwinGig converter module for migrating uplinks from Gigabit Ethernet to 10 Gigabit Ethernet
- PoE configurations with 15.4W of PoE on all 48 ports
- Modular power supply with externally available backup
- IPv6 routing, multicast routing, and access control list (ACL) in hardware
- Out-of-band Ethernet management port along with RS-232 console port

Table 1 shows switch configurations.

**Table 1.** Switch Configurations

Feature	Description
<b>Cisco Catalyst 3560E-24TD</b>	24 Ethernet 10/100/1000 ports and 2 X2 10 Gigabit Ethernet uplinks
<b>Cisco Catalyst 3560E-24PD</b>	24 Ethernet 10/100/1000 ports with PoE and 2 X2 10 Gigabit Ethernet uplinks
<b>Cisco Catalyst 3560E-48TD</b>	48 Ethernet 10/100/1000 ports and 2 X2 10 Gigabit Ethernet uplinks
<b>Cisco Catalyst 3560E-48PD</b>	48 Ethernet 10/100/1000 ports with PoE and 2 X2 10 Gigabit Ethernet uplinks
<b>Cisco Catalyst 3560E-48PD-F</b>	48 Ethernet 10/100/1000 ports with 15.4W PoE on all 48 ports and 2 X2 10 Gigabit Ethernet uplinks

The Cisco Catalyst 3560-E features wire-speed 10 Gigabit Ethernet uplink ports for high-bandwidth applications, relieving congestion and helping ensure smooth delivery of data. The TwinGig converter converts a 10 Gigabit Ethernet X2 interface into two Gigabit Ethernet Small Form-Factor Pluggable (SFP) ports. This way, customers can initially use the switch with Gigabit Ethernet uplinks and later implement 10 Gigabit Ethernet uplinks as business demands change, without having to upgrade the access layer.

The Cisco Catalyst 3560-E Series is available with either the IP Base feature set or the IP Services feature set. The IP Base feature set includes advanced quality of service (QoS), rate-limiting, ACLs, and basic static and Routing Information Protocol (RIP) routing capability. The IP Services feature set provides a richer set of enterprise-class features, including advanced hardware-based IP unicast and multicast routing—for example, Enhanced Interior Gateway Routing Protocol (EIGRP), Open Shortest Path First (OSPF), Border Gateway Protocol (BGP), Protocol Independent Multicast (PIM), and so on.

### Availability

The Cisco Catalyst 3560-E Series Switches will be available and orderable in February, 2007.

### Ordering Information

Table 2 lists ordering information for the Cisco Catalyst 3560-E Series. To place an order, visit the [Cisco Ordering homepage](#).

**Table 2.** Ordering Information for Cisco Catalyst 3560-E Series Switches

Product Number	Product Description
<b>Catalyst 3560-E Series</b>	
WS-C3560E-24TD-S	<ul style="list-style-type: none"> <li>• 24 10/100/1000 ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 265WAC power supply and fan tray</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>
WS-C3560E-24TD-E	<ul style="list-style-type: none"> <li>• 24 10/100/1000 ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 265WAC power supply and fan tray</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Services software feature set (IPS)</li> <li>• Provides full IPv4 dynamic routing</li> </ul>
WS-C3560E-48TD-S	<ul style="list-style-type: none"> <li>• 48 10/100/1000 ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 265WAC power supply and fan tray</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>
WS-C3560E-48TD-E	<ul style="list-style-type: none"> <li>• 48 10/100/1000 ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 265WAC power supply and fan tray</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Services software feature set (IPS)</li> <li>• Provides full IPv4 dynamic routing</li> </ul>
WS-C3560E-24PD-S	<ul style="list-style-type: none"> <li>• 24 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 750WAC power supply and fan tray</li> <li>• 420W available for Cisco Enhanced PoE, allowing &gt; 15.4W to all 24 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>

Product Number	Product Description
WS-C3560E-24PD-E	<ul style="list-style-type: none"> <li>• 24 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 750WAC power supply and fan tray</li> <li>• 420W available for Cisco Enhanced PoE, allowing &gt; 15.4W to all 24 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Services software feature set (IPS)</li> <li>• Provides full IPv4 dynamic routing</li> </ul>
WS-C3560E-48PD-S	<ul style="list-style-type: none"> <li>• 48 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 750WAC power supply and fan tray</li> <li>• 420W available for Cisco Enhanced PoE, allowing &gt; 15.4W to all 24 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>
WS-C3560E-48PD-E	<ul style="list-style-type: none"> <li>• 48 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 750WAC power supply and fan tray</li> <li>• 420W available for Cisco Enhanced PoE, allowing &gt; 15.4W to all 24 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Services software feature set (IPS)</li> <li>• Provides full IPv4 dynamic routing</li> </ul>
WS-C3560E-48PD-SF	<ul style="list-style-type: none"> <li>• 48 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 1150WAC power supply and fan tray</li> <li>• 800W available for Enhanced PoE, allowing &gt; 15.4W to all 48 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>
WS-C3560E-48PD-EF	<ul style="list-style-type: none"> <li>• 48 10/100/1000 PoE ports + 2 X2-based 10 Gigabit Ethernet ports</li> <li>• 68-Gbps, wire rate backplane</li> <li>• Field-replaceable 1150WAC power supply and fan tray</li> <li>• 800W available for Enhanced PoE, allowing &gt; 15.4W to all 48 ports</li> <li>• 1 rack unit (RU) fixed configuration multilayer switch</li> <li>• IPv6</li> <li>• IP Base software feature set (IPB)</li> </ul>
<b>Catalyst 3560-E Series Product Activation Keys</b>	
3560E-IPS-LIC-B=	IP Services for 3560-E, upgrade from IP Base Feature Set
<b>Fan Module for the Catalyst 3560-E Series</b>	
C3K-PWR-265WAC=	Catalyst 3750-E/3560-E 265WAC power supply
C3K-PWR-265WDC=	Catalyst 3750-E/3560-E 265WDC power supply
C3K-PWR-750WAC=	Catalyst 3750-E/3560-E/RPS 2300 750WAC power supply
C3K-PWR-1150WAC=	Catalyst 3750-E/3560-E/RPS 2300 1150WAC power supply
C3K-BLWR-60CFM=	Fan Module for the Catalyst 3750-E/3560-E
<b>Redundant Power System for the Catalyst 3560-E Series</b>	
PWR-RPS2300	RPS 2300
ACC-RPS2300=	Spare Accessory Kit
BLNK-RPS2300=	Spare Bay Insert
CAB-RPS2300=	Spare Legacy RPS 2300 cable
CAB-RPS2300-E=	Spare RPS Cable for Cisco Redundant Power System 2300

Product Number	Product Description
PWR-RPS2300=	Spare RPS Cable RPS 2300 Cat 3750E/3560E Switches
BLWR-RPS2300=	Spare RPS 2300 Blower
C3K-PWR-750WAC=	Catalyst 3750-E/3560-E/RPS 2300 750WAC power supply
C3K-PWR-1150WAC=	Catalyst 3750-E/3560-E/RPS 2300 1150WAC power supply
<b>TwinGig Converter Module for the Catalyst 3560-E Series</b>	
CVR-X2-SFP	TwinGig Converter Module
CVR-X2-SFP=	TwinGig Converter Module
<b>SFPs for the Catalyst 3560-E Series</b>	
GLC-GE-100FX=	100FX SFP on GE SFP ports for DSBU switches
GLC-LH-SM=	GE SFP, LC connector LX/LH transceiver
GLC-SX-MM=	GE SFP, LC connector SX transceiver
GLC-T=	1000BASE-T SFP
GLC-ZX-SM=	1000BASE-ZX SFP
GLC-BX-D=	1000BASE-BX SFP, 1490NM
GLC-BX-U=	1000BASE-BX SFP, 1310NM
CWDM-SFP-1470=	CWDM 1470 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1490=	CWDM 1490 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1510=	CWDM 1510 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1530=	CWDM 1530 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1550=	CWDM 1550 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1570=	CWDM 1570 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1590=	CWDM 1590 NM SFP Gigabit Ethernet and 1G/2G FC
CWDM-SFP-1610=	CWDM 1610 NM SFP Gigabit Ethernet and 1G/2G FC
<b>X2 for Catalyst 3560-E Series</b>	
X2-10GB-ER=	10GBASE-ER X2 Module
X2-10GB-LR=	10GBASE-LR X2 Module
X2-10GB-SR=	10GBASE-SR X2 Module
<b>LC to SC Cables for the Catalyst 3560-E Series</b>	
CSS5-CABLX-LCSC=	CSS11500 10-Meter Fiber Single Mode LX LC-to-SC Connectors
CSS5-CABSX-LC=	CSS11500 10-Meter Fiber Multimode SX LC Connectors
CSS5-CABSX-LCSC=	CSS11500 10-Meter Fiber Multimode SX LC-to-SC Connectors
<b>Power Cords for the Catalyst 3560-E Series</b>	
CAB-AC	Power Cord, 110V
CAB-AC=	Power Cord, 110V
CAB-16AWG-AC	AC Power cord, 16AWG
CAB-16AWG-AC=	AC Power cord, 16AWG
CAB-ACA	Plug, Power Cord, Australian, 10A
CAB-ACA=	Plug, Power Cord, Australian, 10A
CAB-ACE	Power Cord Europe
CAB-ACE=	Power Cord Europe
CAB-ACI	Power Cord-Italian
CAB-ACI=	Power Cord-Italian
CAB-ACR	Power Cord Argentina
CAB-ACR=	Power Cord Argentina
CAB-ACS	Power Cord for Switzerland

Product Number	Product Description
CAB-ACS=	Power Cord for Switzerland
CAB-ACU	Power Cord UK
CAB-ACU=	Power Cord UK
CAB-JPN	Power Cord-Japan
CAB-JPN=	Power Cord-Japan
CAB-IND	Power Cord India
CAB-IND=	Power Cord India
CAB-SFP-50CM	Catalyst 3560-E SFP Interconnect Cable, 50cm
CAB-C13-C14-AC	Power Cord with C14 connector
<b>Spare Rack Mount Kits for the 3560-E Series</b>	
RCKMNT-E-1RU=	Rack Mount Kit (1RU) for Catalyst 3750-E and 3560-E
<b>Catalyst 3560-E Relicensing for Used Equipment</b>	
LL-3560E-IPB=	IP Base SW Feature set license for Catalyst 3560-E Series
LL-3560E-IPS=	IP Services SW Feature set license for Catalyst 3560-E Series
<b>Software Application Support Plus Upgrades Technical Services Contract</b>	
Product Part Number	Service Contract Number
Catalyst 3560-E IPS Upgrade from IP Base	3560E-IPS-LIC-B
<b>SMARTnet Next Business Day for the Catalyst 3560-E<sup>1</sup></b>	
CON-SNT-3560E2PE	SMARTNET 8X5XNBD WS-C3560E-24PD-E
CON-SNT-3560E2PS	SMARTNET 8X5XNBD WS-C3560E-24PD-S
CON-SNT-3560E2TE	SMARTNET 8X5XNBD WS-C3560E-24TD-E
CON-SNT-3560E2TS	SMARTNET 8X5XNBD WS-C3560E-24TD-S
CON-SNT-3560E4PE	SMARTNET 8X5XNBD WS-C3560E-48PD-E
CON-SNT-3560E4PF	SMARTNET 8X5XNBD WS-C3560E-48PD-EF
CON-SNT-3560E4PS	SMARTNET 8X5XNBD WS-C3560E-48PD-S
CON-SNT-3560E4PT	SMARTNET 8X5XNBD WS-C3560E-48PD-SF
CON-SNT-3560E4TE	SMARTNET 8X5XNBD WS-C3560E-48TD-E
CON-SNT-3560E4TS	SMARTNET 8X5XNBD WS-C3560E-48TD-S
<b>SMARTnet Next Business Day for the Catalyst 3560-E IOS Feature Set Upgrades</b>	
CON-SNT-3560ELIC	SMARTNET 8X5XNBD 3560E-LIC=
CON-SNT-3560IBSU	SMARTNET 8X5XNBD 3560E-IPSLCB-QTY
<b>SMARTnet Next Business Day for the CWDMM SFPs</b>	
CON-SNT-CWSFP	SMARTNET 8X5XNBD CWDM-SFP-1470-1610

### For More Information

For more information about the Cisco Catalyst 3560-E Series Switches, visit <http://www.cisco.com/en/US/products/hw/switches/index.html> or contact your local account representative.

<sup>1</sup> **Note:** Additional SMARTnet service levels are available including:  
 SMARTnet 8x5x4-hour, 24x7x4-hour, 24x7x2-hour  
 SMARTnet Onsite 8x5xNext Business Day, 8x5x4-hour, 24x7x4-hour, 24x7x2-hour



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