

## Cisco® Catalyst® 3750-E and 3560-E Series Switches

Hi, I'm Kevin Skahill, a product line manager for the Cisco® Catalyst® 3750-E and 3560-E Series Switches, and I'd like to give you a brief overview of these products.

The Cisco Catalyst 3750-E Series is an enterprise-class line of stackable wiring closet switches that allow you to deploy secure converged applications. The Catalyst 3560-E Series Switches are standalone, or nonstackable, versions of the Catalyst 3750-E Series.

Switch models have either 24 or 48 ports of 10/100/1000 Ethernet access and two 10 Gigabit Ethernet uplink ports. Models are available with or without Power over Ethernet, or PoE, which provides power to devices such as IP phones, wireless access points, and IP video cameras.

The switches come with two Cisco TwinGig converter modules, which convert each 10 Gigabit Ethernet X2 interface into two one Gigabit Ethernet SFP ports. This way, you can use the switch with Gigabit Ethernet uplinks today and later migrate to 10 Gigabit Ethernet uplinks, without having to replace the switches.

It works like this: Here we have the Cisco TwinGig converter module with a 1 Gigabit Ethernet SFP installed. To upgrade to 10 Gigabit Ethernet, simply remove the SFP, then the TwinGig converter module, and install the 10 Gigabit Ethernet optic module, like that.

What sets the Catalyst 3750-E Series apart is a technology called StackWise® Plus, which provides a 64-gigabit per stacking interconnect between up to nine switches. The stack acts as a single unified system and is managed with a single IP address and command-line interface. The addition or removal of switches is simplified with features like auto-version checking and autoconfiguration. StackWise Plus makes possible to cross-stack EtherChannel® for attaching uplinks to separate switches within the stack, and it prevents stack partitions in the event of a switch failure.

This technology protects your existing investments because it is compatible with StackWise on the 3750 as well as the integrated services routers.

The switches feature modular power supplies. Models without PoE have an AC power supply option or a DC power supply option. The PoE models also come with two power supply options: a 750-Watt power supply option that delivers power for up to 24 ports of Class 3 PoE or 48 ports of Class 2 PoE. This larger 1150-Watt power supply delivers enough power for 48 ports of Class 3 PoE. This is an industry first, allowing you to fully scale IP telephony deployments using the most advanced IP phones or other high-powered PoE devices.

All models have a connector, here, to attach to the Redundant Power System 2300, which protects against an internal power supply failure of the switch or a failure of a primary AC source. And because the switches have modular power supplies, they can be replaced without service interruption and without unstacking the switch.

You simply pull out a power supply, like this, and insert a new one.

The Catalyst 3560-E Switches are standalone, or nonstackable, versions of the Catalyst 3750-E Series. They are available with 24 or 48 ports of 10/100/1000 and two 10 Gigabit uplinks. These switches support the Cisco TwinGig converter module, the RPS 2300, and the same power supply as the 3750E Series Switches. The Catalyst 3560-E Series Switches combine wire-speed switching and routing with the latest security features to prevent man-in-the-middle attacks as well as worms and viruses from infecting the network.

In conclusion, the Catalyst 3750-E and 3560-E Series Switches are an enterprise-class lines of stackable and standalone wiring closet switches that allow you to easily deploy secure converged applications. They protect your existing investments in the Catalyst 3750 Series Switches today and provide support for 10 Gigabit Ethernet out of the wiring closet for the future.

Thanks for watching!

**Americas Headquarters**

Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 527-0883

**Asia Pacific Headquarters**

Cisco Systems, Inc.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
[www.cisco.com](http://www.cisco.com)  
Tel: +65 6317 7777  
Fax: +65 6317 7799

**Europe Headquarters**

Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
[www-europe.cisco.com](http://www-europe.cisco.com)  
Tel: +31 0 800 020 0791  
Fax: +31 0 20 357 1100

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

CCVP, the Cisco logo, and the Cisco Square Bridge logo are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networking Academy, Network Registrar, Packet, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0705R)