

Catalyst 3750 and 3560 Series Switches

Bonjour. I'm Jean-Francois Vincent, senior product manager for the Cisco Catalyst 3750 and 3560 Series Switches, and I'd like to give you a brief overview of these products.

The Cisco Catalyst 3750 Series Switches are enterprise-class stackable wiring closet switches that improve LAN operating efficiency by combining industry-leading ease of use and high resiliency features.

The Catalyst 3750 features Cisco StackWise technology, a 32-Gbps stack interconnect, which allows to build a unified and highly resilient switching system. The Catalyst 3560 Series Switches are standalone, or nonstackable, versions of the Catalyst 3750. The 3750 Series offers a wide variety of configurations to choose from:

- 24 or 48 ports of fast Ethernet
- 24 or 48 ports of Gigabit Ethernet

All these models are available with or without Power over Ethernet, which provides power to devices such as IP phones, wireless access points, and IP video cameras.

Other models are also available such as 12 SFP fiber gig ports, 24 100FX fiber ports, 24 gig ports without SFP uplinks, 24 gig ports with an integrated Cisco wireless controller, and also a 3750 line card for the Cisco 2800 and 3800 routers.

At the heart of the Catalyst 3750 is a revolutionary technology called StackWise, which provides 32 gig of stacking interconnect to up to nine switches. The stack allows the switches to behave as a single unified entity and is managed with a single IP address via one command-line interface. StackWise also makes it easy to add or remove switches from a stack due to the autoversioning and autoconfiguration capability of StackWise.

StackWise provides a bidirectional closed loop path in between the stack members so that if a switch fails or a break in the StackWise interconnect occurs, all the traffic automatically gets switched to the active half of the StackWise path, which results in continuous traffic flow despite the failure, enabling the network to operate without interruptions.

If a switch fails, just replace the failed switch with a similar model and add it to the stack, and the stack will automatically install the existing configuration and IOS image on the new switch, allowing true plug-and-play replacement. Adding a switch to an existing stack is also easy. You just simply have to unplug one of the cables and add your new switch. StackWise automatically bypasses the disconnected cable so that traffic flow is not interrupted.

When the new switch is connected, the stack automatically synchronizes the active version of IOS and configures the new switch. Once this is done, the new switch operates as a full member of the stack, and full-speed, bidirectional traffic flow is restored. StackWise also makes possible features like cross-stack EtherChannel or cross-stack routing, allowing you to spread your uplinks across different members of the stack, thus eliminating single point of failure. The Catalyst 3560 Series Switches are standalone versions, or nonstackable versions, of the Catalyst 3750. They are available in 24 or 48 ports of fast Ethernet or Gigabit Ethernet. And again, all the configurations are also available with or without Power over Ethernet.

All of the Catalyst 3560 and 3750 switches support IPv4 and IPv6 Layer 3 switching with line-rate performance. They come standard with high-end security features such as IP source guard and dynamic ARP inspection.

In addition, all 3750 and 3560 models can be attached 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.

In conclusion, the Catalyst 3750 and 3560 Series Switches are enterprise-class wiring closet switches that ease deployment of converged applications, provide configuration flexibility, and support intelligent network services.

For more information, visit: <http://www.cisco.com/go/catalyst3750>.

Merci!



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

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
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
Tel: +31 0 800 020 0791
Fax: +31 0 20 357 1100

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