



## Cisco Catalyst 3750G Integrated Wireless LAN Controller

**The Cisco® Catalyst® 3750G Integrated Wireless LAN Controller combines wireless LAN controller functionality with Cisco's highest-resiliency stackable Catalyst 3750G Series Switches to deliver improved operating efficiency and unparalleled WLAN security, mobility and ease of use for business-critical wireless LANs.**

### CONFIGURATIONS

The Cisco Catalyst 3750G Integrated Wireless LAN Controller includes the following configurations:

- The Cisco Catalyst WS-C3750G-24WS-S25, with 24 10/100/1000 PoE ports, 2 SFP module slots, and an integrated Cisco Wireless LAN Controller supporting up to 25 Cisco Lightweight Access Points
- The Cisco Catalyst WS-C3750G-24WS-S50, with 24 10/100/1000 PoE ports, 2 SFP module slots, and an integrated Cisco Wireless LAN Controller supporting up to 50 Cisco Lightweight Access Points

The Cisco Catalyst 3750G Integrated Wireless LAN Controller is available with the Cisco IOS® Software IP Base image. The Cisco IOS Software IP Services image and Advanced IP Services image are also available. The IP Services image provides a richer set of enterprise-class features, including advanced hardware-based IP unicast and multicast routing; the Advanced IP Services image provides IPv6 routing (Layer 3 switching).

The Cisco Catalyst 3750G Integrated Wireless LAN Controller delivers centralized security policies, wireless intrusion prevention system (IPS) capabilities, award-winning RF management, QoS, and Layer 3 fast secure roaming for WLANs. As a core component of the [Cisco Unified Wireless Network](#), the Cisco Catalyst 3750G Integrated Wireless LAN Controller provides the control, security, redundancy, and reliability that network managers need to scale and manage their wireless networks as easily as they scale and manage their traditional wired networks (Figure 2).

The Cisco Catalyst 3750G Integrated Wireless LAN Controller is a member of the Cisco Wireless LAN Controller family. It works in conjunction with Cisco Aironet® lightweight access points, the Cisco Wireless Control System (WCS), and the Cisco Wireless Location Appliance to support mission-critical wireless data, voice, and video applications. It provides real-time communication between lightweight access points and other wireless LAN controllers to deliver a secure and unified wireless solution.

The Cisco Catalyst 3750G Integrated Wireless LAN Controller communicates using the emerging Lightweight Access Point Protocol (LWAPP) standard to establish secure connectivity between access points and modules across Layer 3 networks. This protocol enables the automation of important WLAN configuration and management functions for cost-effective WLAN operations. With this integrated approach to wireless networking, customers can realize significant total cost of ownership benefits by streamlining support costs and reducing planned and unplanned network downtime.

The Cisco Catalyst 3750G Integrated Wireless LAN Controller delivers secure, enterprise wireless access to midsize organizations and enterprise branch offices requiring support for up to 50 lightweight access points per switch or up to 200 access points in one logical unit.

Table 1 describes The Cisco Catalyst 3750G Integrated Wireless LAN Controller features.

**Table 1.** Cisco Catalyst 3750G Integrated Wireless LAN Controller Features

Feature	Benefits
<b>Cisco Catalyst 3750G Series Switch Integration</b>	Integrated system for the Cisco Catalyst 3750G Series infrastructure delivers centralized security policies, intrusion prevention, RF management, QoS, and Layer 3 fast secure roaming for WLANs.
<b>Scalability</b>	Scalable architecture provides business-critical wireless services for midsize organizations and enterprise branch offices supporting 50 access points per switch and up to 200 access points in a stack.
<b>Enterprise Reliability</b>	With automated recovery from failures of Cisco Aironet lightweight access points, the Cisco Catalyst 3750G Integrated Wireless LAN Controller maximizes the availability of the wireless network.
<b>Integrated RRM</b>	The Cisco Catalyst 3750G Integrated Wireless LAN Controller creates an intelligent RF control plane for self-configuration, self-healing, and self-optimization.
<b>Zero-Configuration Deployment</b>	The Cisco Catalyst 3750G Integrated Wireless LAN Controller can be deployed without manually configuring access points or modifying existing network infrastructures.
<b>Multilayered Security</b>	Flexible security policies adapt to changing corporate security needs.
<b>Intrusion Detection, Location, and Containment</b>	Integrated wireless intrusion prevention preserves the integrity of wireless networks and sensitive corporate information.
<b>Mobility Management</b>	Users can roam between access points and across bridged and routed subnets without requiring changes to the underlying infrastructure.
<b>Intuitive Management Interfaces</b>	Better visibility and control of the air space reduces operational costs.

## AVAILABILITY

Customers interested in purchasing the new Cisco Catalyst 3750G Integrated Wireless LAN Controller may place orders beginning June 1, 2006 through normal sales channels. New orders will ship from manufacturing on June 15, 2006.

## ORDERING INFORMATION

Table 2 lists ordering information for the Cisco Catalyst 3750G Integrated Wireless LAN Controller.

**Table 2.** Ordering Information

Part Number	Description
<b>WS-C3750G-24WS-S25</b>	Cisco Catalyst 3750G Integrated Wireless LAN Controller with support for up to 25 Cisco Aironet lightweight access points
<b>WS-C3750G-24WS-S50</b>	Cisco Catalyst 3750G Integrated Wireless LAN Controller with support for up to 50 Cisco Aironet lightweight access points

## FOR MORE INFORMATION

- For more information about the Cisco Catalyst 3750G Integrated Wireless LAN Controller, go to: <http://www.cisco.com/en/US/products/ps6915/index.html>
- For more information about Cisco Aironet products, visit: <http://www.cisco.com/go/aironet>
- For more information about the Cisco Unified Wireless Network, visit: <http://www.cisco.com/go/unifiedwireless>

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