

Cisco 2006 Wireless LAN Controllers

Product Overview

The Cisco® 2006 Wireless LAN Controller supports up to six lightweight access points and provides systemwide wireless LAN functions for small and medium-sized enterprise environments and branch offices. By automating WLAN configuration and management functions, network managers have the control, security, redundancy, and reliability needed to cost-effectively scale and manage their wireless networks as easily as they scale and manage their traditional wired networks.

The Cisco 2006 Wireless LAN Controller (Figure 1) works in conjunction with Cisco Aironet® lightweight access points, the Cisco Wireless Control System (WCS), and the Cisco Wireless Location Appliance to support business-critical wireless data, voice, and video applications. It provides real-time communication between lightweight access points and other wireless LAN controllers to deliver centralized security policies, wireless intrusion prevention system (IPS) capabilities, award-winning RF management, quality of service (QoS), and mobility.

Figure 1. Cisco 2006 Wireless LAN Controllers



Product Specifications

Table 1 lists the product specification for Cisco 2006 Wireless LAN Controllers.

Table 1. Product Specifications for Cisco 2006 Wireless LAN Controllers

Item	Specification
Wireless	IEEE 802.11a, 802.11b, 802.11g, 802.11d, 802.11h
Wired/Switching/Routing	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX specification, and IEEE 802.1Q VLAN tagging
Data RFCs	<ul style="list-style-type: none"> • RFC 768 UDP • RFC 791 IP • RFC 792 ICMP • RFC 793 TCP • RFC 826 ARP • RFC 1122 Requirements for Internet Hosts • RFC 1519 CIDR • RFC 1542 BOOTP • RFC 2131 DHCP
Security Standards	<ul style="list-style-type: none"> • Wi-Fi Protected Access (WPA) • IEEE 802.11i (WPA2, RSN) • RFC 1321 MD5 Message-Digest Algorithm • RFC 2104 HMAC: Keyed Hashing for Message Authentication • RFC 2246 TLS Protocol Version 1.0 • RFC 3280 X.509 PKI Certificate and CRL Profile

Item	Specification
Encryption	<ul style="list-style-type: none"> • WEP and TKIP-MIC: RC4 40, 104 and 128 bits (both static and shared keys) • Secure Sockets Layer (SSL) and TLS: RC4 128-bit and RSA 1024- and 2048-bit • AES: CCM, CCMP
Authentication, Authorization, and Accounting (AAA)	<ul style="list-style-type: none"> • IEEE 802.1X • RFC 2548 Microsoft Vendor-Specific RADIUS Attributes • RFC 2716 PPP EAP-TLS • RFC 2865 RADIUS Authentication • RFC 2866 RADIUS Accounting • RFC 2867 RADIUS Tunnel Accounting • RFC 2869 RADIUS Extensions • RFC 3576 Dynamic Authorization Extensions to RADIUS • RFC 3579 RADIUS Support for EAP • RFC 3580 IEEE 802.1X RADIUS Guidelines • RFC 3748 Extensible Authentication Protocol • Web-based authentication
Management	<ul style="list-style-type: none"> • SNMP v1, v2c, v3 • RFC 854 Telnet • RFC 1155 Management Information for TCP/IP-Based Internets • RFC 1156 MIB • RFC 1157 SNMP • RFC 1213 SNMP MIB II • RFC 1350 TFTP • RFC 1643 Ethernet MIB • RFC 2030 SNMP • RFC 2616 HTTP • RFC 2665 Ethernet-Like Interface types MIB • RFC 2674 Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering, and Virtual LAN Extensions • RFC 2819 RMON MIB • RFC 2863 Interfaces Group MIB • RFC 3164 Syslog • RFC 3414 User-Based Security Model (USM) for SNMPv3 • RFC 3418 MIB for SNMP • RFC 3636 Definitions of Managed Objects for IEEE 802.3 MAUs • Cisco private MIBs
Management Interfaces	<ul style="list-style-type: none"> • Web-based: HTTP/HTTPS • Command-line interface: Telnet, SSH, serial port
Interfaces and Indicators	<ul style="list-style-type: none"> • Console port: RS-232 (DB-9 male, DTE interface) • Network: Four 10/100 Mbps Ethernet (RJ-45) • LED indicators: link, activity • Other indicators: Power
Physical and Environmental	<ul style="list-style-type: none"> • Cisco 2006 Wireless LAN Controller: • Dimensions (W x D x H): 9.5 x 6.0 x 1.6 in. (241 x 152 x 41 mm) • Weight: 2.45 lb (1.11 kg) • Temperature: <ul style="list-style-type: none"> • Operating: 32 to 104°F (0 to 40°C) • Storage: -13 to 158°F (-25 to 70°C) • Humidity: <ul style="list-style-type: none"> • Operating humidity: 10 to 95 percent, noncondensing • Storage humidity: Up to 95 percent • Power adapter: <ul style="list-style-type: none"> • Input power: 100 to 240 VAC; 50/60 Hz • Output power: +5V @ 3A; +12V @ 1A; 27W • Heat Dissipation: 92 BTU/hour

Item	Specification
Regulatory Compliance	<ul style="list-style-type: none"> • Cisco 2006 Wireless LAN Controller: • CE Mark • Safety: • UL 60950-1:2003 • EN 60950:2000 • EMI and susceptibility (Class B): • U.S.: FCC Part 15.107 and 15.109 • Canada: ICES-003 • Japan: VCCI • Europe: EN 55022, EN 55024

Ordering Information

Table 2 provides ordering information for the Cisco 2006 Wireless LAN Controller. To place an order, visit the Cisco Ordering Website:

<http://www.cisco.com/en/US/ordering/index.shtml>

Table 2. Ordering Information for Cisco 2006 Wireless LAN Controllers

Part Number	Product Name
AIR-WLC2006-K9	Cisco 2006 Wireless LAN Controller for up to six Cisco lightweight access points

Service and Support

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you protect your network investment, optimize network operations, and prepare your network for new applications to extend network intelligence and the power of your business. For more information about Cisco services, visit [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

For More Information

For more information about Cisco wireless LAN controllers, contact your local account representative or visit:

<http://www.cisco.com/en/US/products/ps6366/index.html>

For more information about the Cisco Unified Wireless Network framework, visit:

<http://www.cisco.com/go/unifiedwireless>



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