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Refurbished CISCO L-LIC-CT5508-UPG Datasheet

CISCO > WIRELESS

Cisco 5500 Series Wireless Controllers

Cisco 5500 Series Wireless LAN Controller Features

Feature	
Feature	Benefits
Scalability	Supports 12, 25, 50,100, 250, or 500 access points for business-critical wireless services at locations of all sizes
High Performance	Wired speed, nonblocking performance for 802.11n and optimized for 802.11ac networks
RF Management	Provides both real-time and historical information about RF interference impacting network performance across controllers, via systemwide Cisco CleanAir technology integration
OfficeExtend	Supports corporate wireless service for mobile and remote workers with secure wired tunnels to the Cisco Aironet 1130 or 1140 Series Access Points Extends the corporate network to remote locations with minimal setup and maintenance requirements (zero-touch deployment) Improves productivity and collaboration at remote site locations Separate SSID tunnels allow both corporate and personal Internet access Reduced CO2 emissions from decrease in commuting Higher employee job satisfaction from ability to work at home Improves business resiliency by providing continuous, secure connectivity in the event of disasters, pandemics, or inclement weather
Comprehensive End-to-End Security	Offers control and provisioning of wireless access points (CAPWAP)-compliant DTLS encryption to help ensure full-line-rate encryption between access points and controllers across remote WAN/LAN links
Enterprise Wireless Mesh	Allows access points to dynamically establish wireless connections without the need for a physical connection to the wired network Available on select Cisco Aironet access points, Enterprise Wireless Mesh is ideal for warehouses, manufacturing floors, shopping centers and any other location where extending a wired connection may prove difficult or aesthetically unappealing
High Performance Video	Integrates Cisco VideoStream technology as part of the medianet framework to optimize the delivery of video applications across the WLAN
End-to-End Voice	SupportsUnified Communications for improved collaboration through messaging, presence, and conferencing Supports allCisco Unified IP Phones for cost-effective, real-time voice services
High Availability	An optional redundant power supply that helps to ensure maximum availability
Environmentally Responsible	Organizations may choose to turn off access point radios to reduce power consumption during off peak hours
Mobility, Security and Management for IPv6 & Dual-Stack Clients	Secure, reliable wireless connectivity and consistent end-user experience Increased network availability through proactive blocking of known threats Equips administrators for IPv6 troubleshooting, planning, and client traceability from a common wired and wireless management system

Product Specifications for Cisco 5500 Series Wireless Controllers

Item	
Item	Specifications
Wireless	IEEE 802.11a, 802.11b, 802.11g, 802.11d, WMM/802.11e, 802.11h, 802.11k, 802.11n, 802.11r, 802.11u, 802.11w, 802.11ac.
Wired/Switching/Routing	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX specification, 1000BASE-T. 1000BASE-SX, 1000-BASE-LH, IEEE 802.1Q Vtagging, and IEEE 802.1AX Link Aggregation.

Data Request For Comments (RFC)	RFC 768 UDP RFC 791 IP RFC 2460 IPv6 (pass through Bridging mode only) RFC 792 ICMP RFC 793 TCP RFC 826 ARP RFC 1122 Requirements for Internet Hosts RFC 1519 CIDR RFC 1542 BOOTP RFC 2131 DHCP RFC 5415 CAPWAP Protocol Specification RFC 5416 CAPWAP Binding for 802.11
Security Standards	WPA IEEE 802.11i (WPA2, RSN) RFC 1321 MD5 Message-Digest Algorithm RFC 1851 The ESP Triple DES Transform RFC 2104 HMAC: Keyed Hashing for Message Authentication RFC 2246 TLS Protocol Version 1.0 RFC 2401 Security Architecture for the Internet Protocol RFC 2403 HMAC-MD5-96 within ESP and AH RFC 2404 HMAC-SHA-1-96 within ESP and AH RFC 2405 ESP DES-CBC Cipher Algorithm with Explicit IV RFC 2406 IPsec RFC 2407 Interpretation for ISAKMP RFC 2408 ISAKMP RFC 2409 IKE RFC 2451 ESP CBC-Mode Cipher Algorithms RFC 3280 Internet X.509 PKI Certificate and CRL Profile RFC 3602 The AES-CBC Cipher Algorithm and Its Use with IPsec RFC 3686 Using AES Counter Mode with IPsec ESP RFC 4347 Datagram Transport Layer Security RFC 4346 TLS Protocol Version 1.1
Encryption	WEP and TKIP-MIC: RC4 40, 104 and 128 bits (both static and shared keys) AES: CBC, CCM, CCMP DES: DES-CBC, 3DES SSL and TLS: RC4 128-bit and RSA 1024- and 2048-bit DTLS: AES-CBC IPSec: DES-CBC, 3DES, AES-CBC
Authentication, Authorization, and Accounting (AAA)	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 5176 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 TACACS support for management users
Management	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 SNTP 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 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	Web-based: HTTP/HTTPS Command-line interface: Telnet, Secure Shell (SSH) Protocol, serial port Cisco Wireless Control System (WCS)
Interfaces and Indicators	Uplink: 8 (5508) 1000BaseT, 1000Base-SX and 1000Base-LH transceiver slots Small Form-Factor Pluggable (SFP) options (only Cisco SFPs supported): GLC-T, GLC-SX-MM, GLC-

	LH-SM LED indicators: link Service Port: 10/100/1000 Mbps Ethernet (RJ45) Service Port: 10/100/1000 Mbps Ethernet (RJ45) For High Availability for future use LED indicators: link Utility Port: 10/100/1000 Mbps Ethernet (RJ45) LED indicators: link Expansion Slots: 1 (5508) Console Port: RS232 (DB-9 male/RJ-45 connector included), mini-USB Other Indicators: Sys, ACT, Power Supply 1, Power Supply 2
Physical and Environmental	Dimensions (WxDxH): 17.30 x 21.20 x 1.75 in. (440 x 539 x 44.5 mm) Weight: 20 lbs (9.1 kg) with 2 power supplies Temperature: Operating temperature: 32 to 104°F (0 to 40°C); Storage temperature: -13 to 158°F (□ 25 to 70°C) Humidity: Operating humidity: 10 95%, noncondensing. Storage humidity: up to 95% Input power: 100 to 240 VAC; 50/60 Hz; 1.05 A at 110 VAC, 115W Maximum; 0.523 A at 220 VAC, 115W Maximum; Test Conditions: Redundant Power Supplies, 40C, Full Traffic Heat Dissipation: 392 Btu/hour at 110/220 VAC Maximum
Regulatory Compliance	CE Mark Safety: UL 60950-1:2003 EN 60950:2000 EMI and susceptibility (Class A) U.S.: FCC Part 15.107 and 15.109 Canada: ICES-003 Japan: VCCI Europe: EN 55022, EN 55024

Accessories for Cisco 5500 Series Wireless Controllers

Part Number	Product Name
AIR-PWR-5500-AC=	5500 Series Wireless Controller Redundant AC Power Supply
AIR-FAN-5500=	5500 Series Wireless Controller Fan Tray
AIR-CT5500-RK-MNT	5500 Series Wireless Controller Spare mounting kit

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