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## Overview

AIR-CT5508-500-K9 includes 500 access point licenses and delivers superior 802.11n/ac performance that optimized up to nine times wireless performance of 802.11a/g networks. It supports up to 500 access points and 7000 clients with necessary licenses.

## Quick Specification

Figure 1 shows the appearance of AIR-CT5508-500-K9.



Table 1 shows the Quick Specs.

Product Code	AIR-CT5508-500-K9
Access points	500 licenses include (500 licenses max)
Device Type	Wireless controller
Ports	8 x SFP uplinks
Console ports	10/100/1000 RJ-45
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac
Dimensions (W x D x H)	44 x 53.9 x 4.45 cm

## Product Details

Figure 2 shows the front panel of AIR-CT5508-500-K9.



Note

(1)	Service port (RJ-45)	(5)	Console port (Mini USB Type B)
(2)	Console port (RJ-45)	(6)	SFP distribution ports
(3)	Redundant port (RP) for future use (RJ-45)	(7)	Management port LEDs
(4)	USB ports 0 and 1 (Type A)	(8)	Expansion module (EM) slot

· You can use only one console port (either RJ-45 or mini-USB). When you connect to one console port, the other is disabled.

Figure 3 shows the back panel of AIR-CT5508-500-K9.



Note:

(1)	Power supply PS1	(4)	Power supply PS2 slot with blank cover
(2)	Power supply PS1 on/off switch	(5)	Fan tray
(3)	Power supply PS1 AC cable connection		

## The Licenses

Table 2 shows some recommended licenses for this wireless controller.

License	Description
L-LIC-CT5508-5A	Cisco 5500 Wireless Controller License 5 AP Adder License for the 5508 Controller (eDelivery)
L-LIC-CT5508-25A	Cisco 5500 Wireless Controller License 25 AP Adder License for the 5508 Controller (eDelivery)
L-LIC-CT5508-50A	Cisco 5500 Wireless Controller License 50 AP Adder License for the 5508 Controller (eDelivery)
L-LIC-CT5508-100A	Cisco 5500 Wireless Controller License 100 AP Adder License for the 5508 Controller (eDelivery)
L-LIC-CT5508-250A	Cisco 5500 Wireless Controller License 250 AP Adder License for the 5508 Controller (eDelivery)

## Compare to Similar Items

Table 3 shows the comparison of similar items.

Models	<a href="#">AIR-CT5508-100-K9</a>	<a href="#">AIR-CT5508-250-K9</a>	AIR-CT5508-500-K9
Access Points	100 access points licenses	250 access points licenses	500 access points licenses
Max Access Points	500	500	500
Max Client Support	7000	7000	7000
Ports	8 x SFP uplinks	8 x SFP uplinks	8 x SFP uplinks

## Get More Information

Do you have any question about the AIR-CT5508-500-K9?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

AIR-CT5508-500-K9 Specifications	
Access points	500 licenses include (500 licenses max)
Device Type	Wireless controller
Ports	8 * SFP uplinks
Console ports	10/100/1000 RJ-45
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac

<p>License</p>	<ul style="list-style-type: none"> <li>• 5 AP license: L-LIC-CT5508-5A</li> <li>• 25 AP license: L-LIC-CT5508-25A</li> <li>• 50 AP license: L-LIC-CT5508-50A</li> <li>• 100 AP license: L-LIC-CT5508- 100A</li> <li>• 250 AP license: L-LIC-CT5508-250A</li> </ul>
<p>Security standards</p>	<ul style="list-style-type: none"> <li>• DTLS License: L-LIC-CT55-LPE-K9</li> <li>• Wi-Fi Protected Access (WPA)</li> <li>• IEEE 802. 1 1i (WPA2, RSN)</li> <li>• RFC 1321 MD5 Message-Digest Algorithm</li> <li>• RFC 1851 The ESP Triple DES Transform</li> <li>• RFC 2104 HMAC: Keyed Hashing for Message Authentication</li> <li>• RFC 2246 TLS Protocol Version 1.0</li> <li>• RFC 2401 Security Architecture for the Internet Protocol</li> <li>• RFC 2403 HMAC-MD5-96 within ESP and AH</li> <li>• RFC 2404 HMAC-SHA- 1-96 within ESP and AH</li> <li>• RFC 2405 ESP DES-CBC Cipher Algorithm with Explicit IV</li> <li>• RFC 2406 IP Encapsulating Security Payload (ESP)</li> <li>• RFC 2407 Interpretation for ISAKMP</li> <li>• RFC 2408 ISAKMP</li> <li>• RFC 2409 IKE</li> <li>• RFC 2451 ESP CBC-Mode Cipher Algorithms</li> <li>• RFC 3280 Internet X.509 PKI Certificate and CRL Profile</li> <li>• RFC 3602 The AES-CBC Cipher Algorithm and Its Use with IPsec</li> <li>• RFC 3686 Using AES Counter Mode with IPsec ESP</li> <li>• RFC 4347 Datagram Transport Layer Security</li> <li>• RFC 4346 TLS Protocol Version 1.1</li> </ul>
<p>Encryption</p>	<ul style="list-style-type: none"> <li>• WEP and Temporal Key Integrity Protocol-Message Integrity Check (TKIP-MIC) : RC4 40, 104 and 128 bits (both static and shared keys)</li> <li>• Advanced Encryption Standard (AES) : CBC, CCM, Counter Mode with Cipher Block Chaining Message Authentication Code Protocol (CCMP)</li> <li>• DES: DES-CBC, 3DES</li> <li>• Secure Sockets Layer (SSL) and Transport Layer Security (TLS) : RC4 128-bit and RSA 1024- and 2048-bit</li> <li>• DTLS: AES-CBC</li> <li>• IPsec: DES-CBC, 3DES, AES-CBC</li> </ul>
<p>Authentication, Authorization, and Accounting (AAA)</p>	<ul style="list-style-type: none"> <li>• IEEE 802.1X</li> <li>• RFC 2548 Microsoft Vendor-Specific RADIUS Attributes</li> <li>• RFC 2716 PPP EAP-TLS</li> <li>• RFC 2865 RADIUS Authentication</li> <li>• RFC 2866 RADIUS Accounting</li> <li>• RFC 2867 RADIUS Tunnel Accounting</li> <li>• RFC 3576 Dynamic Authorization Extensions to RADIUS</li> <li>• RFC 3579 RADIUS Support for EAP</li> <li>• RFC 3580 IEEE 802. 1X RADIUS Guidelines</li> <li>• RFC 3748 Extensible Authentication Protocol</li> <li>• Web-based authentication</li> <li>• TACACS support for management users</li> </ul>

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