AIR-CT2504-5-K9 Datasheet

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Overview

Cisco 2500 Series Wireless Controllers are ideal for small to medium-sized enterprise and branch office. AIR-CT2504-5-K9 includes 5 access points licenses and delivers 802.11n performance and scalability in 1 Gbps throughput.

Quick Specs

**Figure 1 shows the appearance of AIR-CT2504-5-K9.**

Table 1 shows the Quick Specs.

Product Code	AIR-CT2504-5-K9
Target deployments	Small or midsize
Form Factor	Desktop
Access points	5 licenses include
Max Access Points	75 licenses max
Max Client Support	1000
Ports	4 x 10/100/1000 ports
Console ports	10/100/1000 RJ-45
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac
Max throughput	1 Gbps
Max WLANs	16
Max VLANs	16
Redundant power	No
Redundant fans	Built-in fan
Max Power consumption	80W

Product Details

Figure 2 shows the front panel of AIR-CT2504-5-K9.
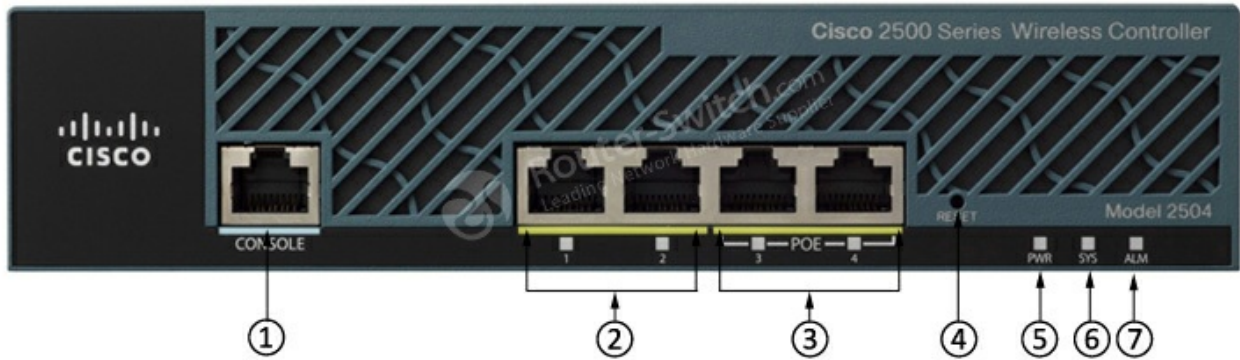
Note

(1)	CPU console port	(5)	Power LED
(2)	2 GigE ports	(6)	System LED
(3)	2 GigE POE ports	(7)	Alarm LED
(4)	Reset button		

· Do not connect a Power over Ethernet (PoE) cable to the console port. It will damage the controller.

Table 2 shows three LEDs description.

LED	Color	Description
Power LED	Green	Power is on
	Off	No power to the system
System LED	Blinking Amber	Boot-loader is active and waiting for user input from the system console.
	Blinking Green	Boot-loader or booting.
	Green	Normal System Operation.
	Amber	System failed the bootup process or an error caused the system to halt. A status or error message is posted on the console screen.
	Off	System not receiving power.
Alarm LED	Blinking Green	Controller image upgrading.
	Amber	Controller status activity, such as firmware upgrade.
	Blinking Amber	Controller error.

Figure 3 shows the back panel of AIR-CT2504-5-K9.

Note:

(1)	POWER 48VDC	(2)	Cable Lock slot

The Licenses

Table 3 shows some recommended licenses for this wireless controller.

License	Description
AIR-CT2504-RMNT	Cisco 2500 Wireless Controller Accessory - AIR-CT2504-RMNT 2504 Wireless Controller Rack Mount Bracket for Cisco 2500
L-LIC-CT2504-1A	Cisco 2500 Wireless Controller License - L-LIC-CT2504-1A 1 AP Adder Licenses for 2504 WLAN Controller for Cisco 2500
L-LIC-CT2504-5A	Cisco 2500 Wireless Controller License - L-LIC-CT2504-5A 5 AP Adder Licenses for 2504 WLAN Controller (e-Delivery) for Cisco 2500
L-LIC-CT2504-25A	Cisco 2500 Wireless Controller License - L-LIC-CT2504-25A 25 AP Adder Licenses for 2504 WLAN Controller (e-Delivery) for Cisco 2500

Compare to Similar Items

Models	AIR-CT2504-5-K9	AIR-CT2504-15-K9	AIR-CT2504-25-K9	AIR-CT2504-50-K9
Access Points	**5**	**15**	**25**	**50**
Max Access Points	75	75	75	75
Max Client Support	1000	1000	1000	1000
Ports	4 x 10/100/1000 ports	4 x 10/100/1000 ports	4 x 10/100/1000 ports	4 x 10/100/1000 ports

Solution

How to use this product to build Network for Small Business (Requires Router & Voice Module)?

See here: SMB Network Options

Get more information

Do you have any question about the AIR-CT2504-5-K9?

Contact us now via **Live Chat** or **cisco@router-switch.com**.

Specification

AIR-CT2504-5-K9 Specifications	
Access points	5 licenses include (75 licenses max)

Device Type	Wireless controller
Ports	4 * 10/100/1000 ports
Console ports	10/100/1000 RJ-45
Wireless standards	802.11a/b/g/d/e/h/k/n/r/u/w/ac
Access point License	●1 AP licese: L-LIC-CT2504-1A ●5 AP licese: L-LIC-CT2504-5A ●25 AP licese: L-LIC-CT2504-25A
Security standards	● Wi-Fi Protected Access (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 IP Encapsulating Security Payload (ESP) ● 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 Temporal Key Integrity Protocol-Message Integrity Check (TKIP-MIC): RC4 40, 104 and 128 bits (both static and shared keys) ● Advanced Encryption Standard (AES): CBC, CCM, Counter Mode with Cipher Block Chaining Message Authentication Code Protocol (CCMP) ● DES: DES-CBC, 3DES ● Secure Sockets Layer (SSL) and Transport Layer Security (TLS): RC4 128-bit and RSA 1024- and 2048-bit ● DTLS: 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 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 ● TACACS support for management users
Limitation	● Does not support wired guest access ● Cannot be configured as an auto anchor controller. However you can configure it as a foreign controller ● Supports only multicast-multicast mode ● Does not support bandwidth contract feature ● Does not support access points in direct connect mode ● Does not support service port ● Apple Talk Bridging ● LAG ● Wired Guest

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