

[Get a Quote](#)

## Overview

AIR-CT3504-K9 is the Cisco 3504 Wireless Controller. The Cisco 3504 Wireless Controller provides centralized control, management, and troubleshooting for small to medium-sized enterprises and branch offices. It offers flexibility to support multiple deployment modes in the same controller—a centralized mode for campus environments, Cisco FlexConnect® mode for lean branches managed over the WAN, and a mesh (bridge) mode for deployments in which full Ethernet cabling is unavailable. As a component of the Cisco Unified Wireless Network, the 3504 controller provides real-time communications between Cisco Aironet® access points, Cisco Prime® Infrastructure, and the Cisco Mobility Services Engine, and is interoperable with the Cisco 5520 and 8540 Wireless Controllers.

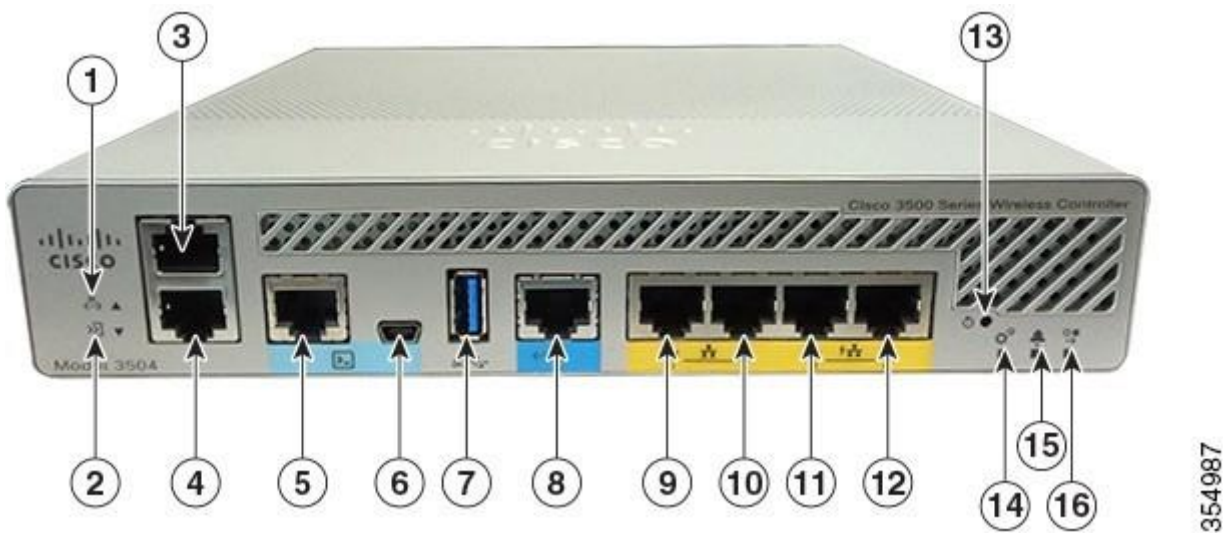
## Quick Spec

Table 1 shows the quick spec.

Model	AIR-CT3504-K9
Chassis Height	One rack-unit (1RU)
Throughput	4 Gbps
Number of APs supported	150
Number of clients supported	3000
Processor	Cavium Network Processor—CN7240-AAP 8-core, 1.5 GHz
Memory Options	Control/Data Plane Memory—8GB DDR4 Boot Flash—8MB SPI NOR Serial Boot Bulk Flash—32GB eMMC
Redundancy, Service Ports	2x 1G Cu
Data Ports	1x 5G/mGig Cu, 4x 1G Cu (2 ports 802.3at PSE)

## Product Details

Figure 1 shows the front panel of AIR-CT3504-K9.



Note:

(1)	Service Port LED	(9)	GigE port
(2)	Service Port (SP) (RJ-45) for out-of-band management	(10)	GigE port
(3)	Reset button	(11)	1x 5 G/mGig port

(4)	High Availability LED	(12)	Type A 3.0 USB port
(5)	Alarm LED that determines a status or error occurred.	(13)	Mini-B USB console port
(6)	System LED that determines if the system is powered up.	(14)	CPU console port
(7)	GigE PoE PSE port	(15)	Redundancy Port (RP) (RJ-45)
(8)	GigE PoE PSE port	(16)	Redundancy Port LED

## The Options

Table 2 shows the recommend optional accessories.

Model	Description
<a href="#">LIC-CT3504-1A</a>	Cisco 3504 Wireless Controller 1 AP Adder License
<a href="#">PWR-115W-AC=</a>	Cisco 3504 Wireless Controller Power Supply
<a href="#">LIC-CT3504-DTLS-K9</a>	Cisco 3504 Wireless Controller DTLS License
<a href="#">LIC-CT3504-UPG</a>	Cisco 3504 Wireless Controller upgrade SKU
<a href="#">LIC-CT3504-1A</a>	Cisco 3504 Wireless Controller 1 access point adder license

## Compare to Similar Item

Table 3 shows the comparison.

Model	AIR-CT3504-K9	<a href="#">AIR-CT2504-5-K9</a>
Description	Cisco 3504 Wireless Controller	Cisco 2500 Controller AIR-CT2504-5-K9 2504 Wireless Controller with 5 AP Licenses
Chassis Height	One rack-unit (1RU)	Desktop
Throughput	4 Gbps	1 Gbps
Number of APs supported	150	75
Number of clients supported	3000	1000

## Get more information

Do you have any question about the AIR-CT3504-K9?

Contact us now via [Live Chat](#) or [support@netgenetics.com](mailto:support@netgenetics.com)

## Specification

AIR-CT3504-K9 Specification	
Chassis Height	One rack-unit (1RU)
Throughput	4 Gbps
Number of APs supported	150
Number of clients supported	3000
Processor	Cavium Network Processor—CN7240-AAP 8-core, 1.5 GHz

<b>Memory Options</b>	Control/Data Plane Memory—8GB DDR4 Boot Flash—8MB SPI NOR Serial Boot Bulk Flash—32GB eMMC
<b>Redundancy, Service Ports</b>	2x 1G Cu
<b>Data Ports</b>	1x 5G/mGig Cu, 4x 1G Cu (2 ports 802.3at PSE)
<b>Storage Temperature</b>	–4° F to 158° F (–20° C to 70° C)
<b>Operating Temperature</b>	32° F to 104° F (0° C to 40° C)
<b>Storage Humidity</b>	0% to 95% RH non-condensing
<b>Operating Humidity</b>	5% to 95% RH non-condensing
<b>Power Adapter</b>	54VDC/1.05A, 12VDC/3.75A
<b>Wireless</b>	IEEE 802.11a, 802.11b, 802.11g, 802.11d, WMM/802.11e, 802.11h, 802.11n, 802.11k, 802.11r, 802.11u, 802.11w, 802.11ac Wave 1 and Wave 2
<b>Wired, switching, and routing</b>	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX specification, 1000BASE-T, 1000BASE-SX, 1000-BASE-LH, IEEE 802.1Q VLAN tagging, IEEE 802.1AX Link Aggregation
<b>Data Request For Comments (RFC)</b>	<ul style="list-style-type: none"> <li>· RFC 768 UDP</li> <li>· RFC 791 IP</li> <li>· RFC 2460 IPv6</li> <li>· RFC 792 Internet Control Message Protocol (ICMP)</li> <li>· RFC 793 TCP</li> <li>· RFC 826 Address Resolution Protocol (ARP)</li> <li>· RFC 1122 Requirements for Internet Hosts</li> <li>· RFC 1519 Classless Interdomain Routing (CIDR)</li> <li>· RFC 1542 BOOTP</li> <li>· RFC 2131 Dynamic Host Configuration Protocol (DHCP)</li> <li>· RFC 5415 CAPWAP Protocol</li> <li>· RFC 5416 CAPWAP Binding for 802.11</li> </ul>
<b>Security standards</b>	<ul style="list-style-type: none"> <li>· Wi-Fi Protected Access (WPA)</li> <li>· IEEE 802.11i (WPA2, RSN)</li> <li>· RFC 1321 MD5 Message-Digest Algorithm</li> <li>· RFC 1851 Encapsulating Security Payload (ESP) Triple Data Encryption Standard (3DES) Transform</li> <li>· RFC 2104 HMAC: Keyed Hashing for Message Authentication</li> <li>· RFC 2246 Transport Layer Security (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 Authentication Header (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 2407 Interpretation for Internet Security Association and Key Management Protocol (ISAKMP)</li> <li>· RFC 2408 ISAKMP</li> <li>· RFC 2409 Internet Key Exchange (IKE)</li> <li>· RFC 2451 ESP Cipher Block Chaining (CBC)-Mode Cipher Algorithms</li> <li>· RFC 3280 Internet X.509 Public Key Infrastructure (PKI) Certificate and Certificate Revocation List (CRL) Profile</li> <li>· RFC 4347 Datagram Transport Layer Security</li> <li>· RFC 5426 TLS Protocol Version 1.2</li> </ul>
<b>Encryption</b>	<p>Wired Equivalent Privacy (WEP) and Temporal Key Integrity Protocol-Message Integrity Check (TKIP-MIC):</p> <ul style="list-style-type: none"> <li>· RC4 40, 104 and 128 bits (both static and shared keys)</li> <li>· Advanced Encryption Standard (AES): CBC, Counter with CBC-MAC (CCM), Counter with CBC Message Authentication Code Protocol (CCMP)</li> <li>· Data Encryption Standard (DES): DES-CBC, 3DES</li> <li>· Secure Sockets Layer (SSL) and TLS: RC4 128-bit and RSA 1024- and 2048-bit</li> <li>· DTLS: AES-CBC</li> <li>· IPsec: DES-CBC, 3DES, AES-CBC</li> <li>· 802.1AE MACsec encryption</li> </ul>

<b>Authentication, Authorization, and Accounting (AAA)</b>	<ul style="list-style-type: none"> <li>· IEEE 802.1X</li> <li>· RFC 2548 Microsoft Vendor-Specific RADIUS Attributes</li> <li>· RFC 2716 Point-to-Point Protocol (PPP) Extensible Authentication Protocol (EAP)-TLS</li> <li>· RFC 2865 RADIUS Authentication</li> <li>· RFC 2866 RADIUS Accounting</li> <li>· RFC 2867 RADIUS Tunnel Accounting</li> <li>· RFC 2869 RADIUS Extensions</li> <li>· RFC 3576 Dynamic Authorization Extensions to RADIUS</li> <li>· RFC 5176 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 EAP</li> <li>· Web-based authentication</li> <li>· TACACS support for management users</li> </ul>
<b>Management</b>	<ul style="list-style-type: none"> <li>· Simple Network Management Protocol (SNMP) v1, v2c, v3</li> <li>· RFC 854 Telnet</li> <li>· RFC 1155 Management Information for TCP/IP-Based Internets</li> <li>· RFC 1156 MIB</li> <li>· RFC 1157 SNMP</li> <li>· RFC 1213 SNMP MIB II</li> <li>· RFC 1350 Trivial File Transfer Protocol (TFTP)</li> <li>· RFC 1643 Ethernet MIB</li> <li>· RFC 2030 Simple Network Time Protocol (SNTP)</li> <li>· RFC 2616 HTTP</li> <li>· RFC 2665 Ethernet-Like Interface Types MIB</li> <li>· RFC 2674 Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering, and Virtual Extensions</li> <li>· RFC 2819 Remote Monitoring RMON MIB</li> <li>· RFC 2863 Interfaces Group MIB</li> <li>· RFC 3164 Syslog</li> <li>· RFC 3414 User-Based Security Model (USM) for SNMPv3</li> <li>· RFC 3418 MIB for SNMP</li> <li>· RFC 3636 Definitions of Managed Objects for IEEE 802.3 MAUs</li> <li>· Cisco private MIBs</li> </ul>
<b>Management interfaces</b>	<ul style="list-style-type: none"> <li>· Web-based: HTTP/HTTPS</li> <li>· Command-line interface: Telnet, Secure Shell (SSH) Protocol, serial port</li> <li>· Cisco Prime Infrastructure</li> </ul>
<b>Interfaces and indicators</b>	<ul style="list-style-type: none"> <li>· 1x Multigigabit Ethernet interface (up to 5 Gigabit Ethernet) + 4x 1 Gigabit Ethernet interfaces (RJ-45)</li> <li>· 1x service port: 1 Gigabit Ethernet port (RJ-45)</li> <li>· 1x redundancy port: 1 Gigabit Ethernet port (RJ-45)</li> <li>· 1x console port: Serial port (RJ-45)</li> <li>· 1x console port: Serial port (mini-B USB)</li> <li>· 1x USB 3.0 port</li> <li>· LED indicators: Network link, diagnostics</li> </ul>
<b>Physical and environmental</b>	<p>Dimensions: 1.73 x 9.5 x 8.5 in. (43.94 x 214.3 x 215.9 mm)</p> <p>Weight: 4.4lbs</p> <p>Temperature:</p> <p>Operating: 32 to 104 °F (0 to 40°C)</p> <p>Storage: -4 to 158 °F (-20 to 70°C)</p> <p>Humidity:</p> <p>Operating Humidity: 5% to 95% RH non-condensing</p> <p>Storage Humidity: 0% to 95% RH non-condensing</p> <p>Power adapter: Input power: 100 to 240 VAC; 50/60 Hz</p> <p>Heat dissipation (without PoE): 47W, 160BTU/hr</p> <p>Heat dissipation (with PoE): 98W, 335BTU/hr</p>
<b>Regulatory compliance</b>	<p>CE Markings per directives 2004/108/EC and 2006/95/EC Safety:</p> <ul style="list-style-type: none"> <li>· UL 60950-1 Second Edition</li> <li>· CAN/CSA-C22.2 No. 60950-1 Second Edition</li> <li>· EN 60950-1 Second Edition</li> <li>· IEC 60950-1 Second Edition</li> <li>· AS/NZS 60950-1</li> <li>· GB4943 2011 EMC - Emissions:</li> <li>· 47CFR Part 15 (CFR 47) Class B</li> <li>· AS/NZS CISPR22 Class B</li> <li>· EN 55032 Class B</li> <li>· ICES003 Class A VCCI Class B</li> <li>· EN 61000-3-2 EN 61000-3-3 KN22 Class B</li> <li>· CNS13438 Class B EMC - Immunity:</li> <li>· EN 55024</li> <li>· CISPR24</li> <li>· EN 300386</li> <li>· KN24</li> </ul>

## Want to Buy

---

[Order Now](#)

[Get a Quote](#)

## Why Netgenetics.com

---

As a leading network hardware supplier, NetGenetics offers a large base of network hardware products from top manufactures like Juniper, Cisco, Dell, Arista, Aruba etc.

# NETGENETICS

## Contact Us

---

Email: [support@netgenetics.com](mailto:support@netgenetics.com)

[sales@networkgenetics.net](mailto:sales@networkgenetics.net)

Call: 877-263-8436