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Overview

AIR-CAP3702I-C-K9 is one of the 3700 series AP, needing wireless controller, providing internal antenna and C regulatory domain. Based on the Cisco Aironet heritage of RF excellence, the 3700 Series utilizes a Purpose-built innovative chipset to provide a high density experience for enterprise network. 4 x 4 MIMO (multiple-input multiple-output) technology with three-spatial-stream offers a greater coverage for more reliability and capacity than competing access points. Modular architecture enables flexible add-on options, which include Wireless Security Module, Cisco Universal Small Cell 5310 Module and Cisco Aironet 802.11ac Wave 2 Module.

Quick Specs

Table 1

Product Code	AIR-CAP3702I-C-K9
WiFi Standards	802.11a/b/g/n/ac
Ideal For	Midsized or large enterprises that require mission-critical traffic
Max Data Rate 5GHz	1.3 Gbps
MIMO Radio Design: Spatial Streams	4 x 4:3
Client count/ClientLink client count	200/128
Controller Available	Yes
Power	4 x 4:3 operation: 802.3at PoE+ Enhanced PoE, Universal PoE (UPOE) 3 x 3:3 operation: 802.3af PoE
Antenna	Internal Antenna
Regulatory Domain	C (C regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.745 to 5.825 GHz; 5 channels
Dimensions (W x L x H)	22.1 x 22.1 x 5.4 cm (without mounting bracket)
Weight	1.13 Kg

The Accessories

Table 2 shows the recommended accessories.

Accessories	Models	Description
Ethernet Switch Power Injectors	AIR-PWRINJ4=	Cisco AP power option AIR-PWRINJ4 Power Injector - AP1140/1250/1260/3500/1600/1700/2600/2700/3600/3700 Series
Local Power supply	AIR-PWR-B	Cisco AP power option PwrSply:100-240VAC,48VDC

Compare to Similar Item

Table 3 shows the comparison between two APs.

Models	AIR-CAP3702I-C-K9	AIR-CAP2702I-C-K9
WiFi Standards	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Antenna	internal Antenna	internal Antenna

Controller Available	Yes	Yes
Max Data Rate 5GHz	1.3 Gbps	1.3 Gbps
MIMO Radio Design: Spatial Streams	4 x 4:3	3 x 4:3
Regulatory Domain	C (C regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.745 to 5.825 GHz; 5 channels	C (C regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.745 to 5.825 GHz; 5 channels

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Do you have any question about the AIR-CAP3702I-C-K9?

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Specification

AIR-CAP3702I-C-K9 Specification	
Product Description	Cisco Aironet 3700 Series Access Points with internal antennas
Device Type	Wireless Access point
Regulatory domain	C regulatory domain
Supported wireless LAN controllers	<ul style="list-style-type: none"> ● Cisco 2500 Series Wireless Controllers, ● Cisco Wireless Controller Module for ISR G2 ● Cisco Wireless Services Module 2 (WiSM2) for Catalyst 6500 Series Switches ● Cisco 5500 Series Wireless Controllers ● Cisco Flex 7500 Series Wireless Controllers ● Cisco 8500 Series Wireless Controllers, Cisco Virtual Wireless Controller ● Cisco 5760 Wireless LAN Controller ● Cisco Catalyst 3850 Series Switches ● Cisco Catalyst 3650 Series Switches
Software	<p>Cisco Unified Wireless Network Software Release with AireOS Wireless Controllers:</p> <ul style="list-style-type: none"> ● 7.6 or later for the Cisco Aironet 3700 Series Access Point ● 7.6 or later for support of the Wireless Security Module for the 3700 Series Access Point <p>Cisco IOS XE Software Release:</p> <ul style="list-style-type: none"> ● 3.3.1SE or later for the Cisco Aironet 3700 Series Access Point ● Wireless Security Module for the 3700 Series Access Point support – (Target 1HCY15)
Data rates supported	<ul style="list-style-type: none"> ● 802.11a: up to 54 Mbps ● 802.11g: up to 54 Mbps
Maximum number of nonoverlapping channels	<p>5 GHz</p> <ul style="list-style-type: none"> ● 802.11a: <ul style="list-style-type: none"> ○ 20 MHz: 21 ● 802.11n: <ul style="list-style-type: none"> ○ 20 MHz: 21 ○ 40 MHz: 9 ● 802.11ac: <ul style="list-style-type: none"> ○ 20 MHz: 21 ○ 40 MHz: 9 ○ 80 MHz: 4 ● 802.11n on 2.4 GHz: up to 216.7 Mbps ● 802.11ac on 5 GHz: up to 1.3Gbps <p>2.4 GHz</p> <ul style="list-style-type: none"> ● 802.11b/g: <ul style="list-style-type: none"> ○ 20 MHz: 3 ● 802.11n: <ul style="list-style-type: none"> ○ 20 MHz: 3
Antenna	<p>2.4 GHz, gain 4 dBi, internal omni, horizontal beamwidth 360°</p> <p>5 GHz, gain 4 dBi, internal omni, horizontal beamwidth 360°</p>

Interfaces	<ul style="list-style-type: none"> ● 10/100/1000BASE-T autosensing (RJ-45) ● Management console port (RJ-45)
System memory	<ul style="list-style-type: none"> ● 512 MB DRAM ● 64 MB flash
Module options	<p>Cisco Aironet Wireless Security Module Cisco Universal Small Cell 5310</p>
Power consumption	<p>No external module installed, 4x4:3 on 2.4/5 GHz : 16.1 Watts with wireless Security module, 4x4:3 on 2.4/5 GHz +WSM: 19.6 Watts No external module installed, 3x3:3 on 2.4/5 GHz : 15.4 Watts with wireless Security module, 2x2:2 on 2.4/5 GHz +WSM: 15.4 Watts</p>
IEEE standards	IEEE 802.11a/b/g, 802.11n, 802.11h, 802.11d
Security	<ul style="list-style-type: none"> ● 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA ● 802.1X ● IEEE 802.11ac Draft 5 ● Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)
Extensible Authentication Protocol (EAP) types	<ul style="list-style-type: none"> ● EAP-Transport Layer Security (TLS) ● EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2) ● Protected EAP (PEAP) v0 or EAP-MSCHAPv2 ● EAP-Flexible Authentication via Secure Tunneling (FAST) ● PEAP v1 or EAP-Generic Token Card (GTC) ● EAP-Subscriber Identity Module (SIM)
Frequency band and 20-MHz operating channels	<p>C (C regulatory domain):</p> <ul style="list-style-type: none"> ● 2.412 to 2.472 GHz; 13 channels ● 5.745 to 5.825 GHz; 5 channels
Environmental	<ul style="list-style-type: none"> ● Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) ● Nonoperating (storage) altitude test: 25°C, 15,000 ft. ● Operating temperature: 32° to 104°F (0° to 40°C) ● Operating humidity: 10% to 90% percent (noncondensing) ● Operating altitude test: 40°C, 9843 ft.

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