

# AIR-CAP3702E-H-K9 Datasheet



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## Overview

AIR-CAP3702E-H-K9 is one of the 3700 series AP, needing wireless controller, providing external antenna and H 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-CAP3702E-H-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	<b>4 x 4:3 operation:</b> 802.3at PoE+ Enhanced PoE, Universal PoE (UPOE) <b>3 x 3:3 operation:</b> 802.3af PoE
Antenna	External Antenna
Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.350 GHz; 8 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)
Package Weight	1.72 Kg

## The Accessories

Table 2 shows the recommended accessories.

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

## Compare to Similar Item

Table 3 shows the comparison between two APs.

Models	AIR-CAP3702E-H-K9	<a href="#">AIR-CAP3702I-H-K9</a>
WiFi Standards	802.11a/b/g/n/ac	802.11a/b/g/n/ac

Antenna	External 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	4 x 4:3
Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.350 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.350 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels

## Get more information

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## Specification

AIR-CAP3702E-H-K9 Specification	
<b>Product Description</b>	Cisco Aironet 3700 Series Access Points with External antennas
<b>Device Type</b>	Wireless Access point
<b>Regulatory domain</b>	H regulatory domain
<b>Supported wireless LAN controllers</b>	<ul style="list-style-type: none"> <li>● Cisco 2500 Series Wireless Controllers,</li> <li>● Cisco Wireless Controller Module for ISR G2</li> <li>● Cisco Wireless Services Module 2 (WiSM2) for Catalyst 6500 Series Switches</li> <li>● Cisco 5500 Series Wireless Controllers</li> <li>● Cisco Flex 7500 Series Wireless Controllers</li> <li>● Cisco 8500 Series Wireless Controllers, Cisco Virtual Wireless Controller</li> <li>● Cisco 5760 Wireless LAN Controller</li> <li>● Cisco Catalyst 3850 Series Switches</li> <li>● Cisco Catalyst 3650 Series Switches</li> </ul>
<b>Software</b>	<p>Cisco Unified Wireless Network Software Release with AireOS Wireless Controllers:</p> <ul style="list-style-type: none"> <li>● 7.6 or later for the Cisco Aironet 3700 Series Access Point</li> <li>● 7.6 or later for support of the Wireless Security Module for the 3700 Series Access Point</li> </ul> <p>Cisco IOS XE Software Release:</p> <ul style="list-style-type: none"> <li>● 3.3.1SE or later for the Cisco Aironet 3700 Series Access Point</li> <li>● Wireless Security Module for the 3700 Series Access Point support – (Target 1HCY15)</li> </ul>
<b>Data rates supported</b>	<ul style="list-style-type: none"> <li>● 802.11a: up to 54 Mbps</li> <li>● 802.11g: up to 54 Mbps</li> </ul>
<b>Maximum number of nonoverlapping channels</b>	<p>5 GHz</p> <ul style="list-style-type: none"> <li>● 802.11a: <ul style="list-style-type: none"> <li>○ 20 MHz: 21</li> </ul> </li> <li>● 802.11n: <ul style="list-style-type: none"> <li>○ 20 MHz: 21</li> <li>○ 40 MHz: 9</li> </ul> </li> <li>● 802.11ac: <ul style="list-style-type: none"> <li>○ 20 MHz: 21</li> <li>○ 40 MHz: 9</li> <li>○ 80 MHz: 4</li> </ul> </li> <li>● 802.11n on 2.4 GHz: up to 216.7 Mbps</li> <li>● 802.11ac on 5 GHz: up to 1.3Gbps</li> </ul> <p>2.4 GHz</p> <ul style="list-style-type: none"> <li>● 802.11b/g: <ul style="list-style-type: none"> <li>○ 20 MHz: 3</li> </ul> </li> <li>● 802.11n: <ul style="list-style-type: none"> <li>○ 20 MHz: 3</li> </ul> </li> </ul>

<b>Antenna</b>	2.4 GHz, gain 4 dBi, internal omni, horizontal beamwidth 360° 5 GHz, gain 4 dBi, internal omni, horizontal beamwidth 360°
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>● 10/100/1000BASE-T autosensing (RJ-45)</li> <li>● Management console port (RJ-45)</li> </ul>
<b>System memory</b>	<ul style="list-style-type: none"> <li>● 512 MB DRAM</li> <li>● 64 MB flash</li> </ul>
<b>Module options</b>	Cisco Aironet Wireless Security Module Cisco Universal Small Cell 5310
<b>Power consumption</b>	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
<b>IEEE standards</b>	IEEE 802.11a/b/g, 802.11n, 802.11h, 802.11d
<b>Security</b>	<ul style="list-style-type: none"> <li>● 802.11i, Wi-Fi Protected Access 2 (WPA2), WPA</li> <li>● 802.1X</li> <li>● IEEE 802.11ac Draft 5</li> <li>● Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)</li> </ul>
<b>Extensible Authentication Protocol (EAP) types</b>	<ul style="list-style-type: none"> <li>● EAP-Transport Layer Security (TLS)</li> <li>● EAP-Tunneled TLS (TTLS) or Microsoft Challenge Handshake Authentication Protocol Version 2 (MSCHAPv2)</li> <li>● Protected EAP (PEAP) v0 or EAP-MSCHAPv2</li> <li>● EAP-Flexible Authentication via Secure Tunneling (FAST)</li> <li>● PEAP v1 or EAP-Generic Token Card (GTC)</li> <li>● EAP-Subscriber Identity Module (SIM)</li> </ul>
<b>Frequency band and 20-MHz operating channels</b>	H (H regulatory domain): <ul style="list-style-type: none"> <li>● 2.412 to 2.472 GHz; 13 channels</li> <li>● 5.150 to 5.350 GHz; 8 channels</li> <li>● 5.745 to 5.825 GHz; 5 channels</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>● Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C)</li> <li>● Nonoperating (storage) altitude test: 25°C, 15,000 ft.</li> <li>● Operating temperature: 32° to 104°F (0° to 40°C)</li> <li>● Operating humidity: 10% to 90% percent (noncondensing)</li> <li>● Operating altitude test: 40°C, 9843 ft.</li> </ul>

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