AIR-CAP1702I-H-K9 Datasheet

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Overview

The Cisco 1700 Series Access Point meets the growing requirements of wireless networks by delivering better performance than 802.11n and providing key RF management features for improved wireless experiences. AIR-CAP1702I-H-K9 is a 1700 series AP, needing wireless controllers. It provides internal antenna and H regulatory domain.

Quick Specs

Table 1

Product Code	AIR-CAP1702I-H-K9
WiFi Standards	802.11a/b/g/n/ac
Ideal For	Small and Midsize enterprises
Max Data Rate 5GHz	867 Mbps
MIMO Radio Design: Spatial Streams	3 x 3:2
Client count/ClientLink client count	200/-
Controller Available	Yes
Power	802.3af PoE 802.3at PoE+ Enhanced PoE Power injectors Local power supply
Antenna	Internal Antenna
Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.180 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 5.1 cm (without mounting bracket)
Package Weight	2.0 Kg

The Accessories

Table 2 shows the recommended accessories.

Accessories	Models	Description
Ethernet Switch Power Injectors	AIR-PWRINJ5	Aironet power injector AIR-PWRINJ5, 802.3af, 15.4W
Local Power supply	AIR-PWR-B	Cisco AP power option PwrSpply:100-240VAC,48VDC

Compare to Similar Item

Table 3 shows the comparison between two APs.

Models	AIR-CAP1702I-H-K9	AIR-CAP1602I-A-K9
WiFi Standards	802.11a/b/g/n/ac	802.11a/b/g/n
Antenna	Integrated Antenna	Integrated Antenna
Controller Available	Yes	Yes

Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.350 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels	A (A regulatory domain): -2.412 to 2.462 GHz; 11 channels -5.180 to 5.320 GHz; 8 channels -5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz) -5.745 to 5.825 GHz; 5 channels

Solution

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

See here: SMB Network Options

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Do you have any question about the AIR-CAP1702I-H-K9?

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

Specification

AIR-CAP1702I-H-K9 Specification	
Product Description	Cisco Aironet 1700 Series Access Points with Internal antennas
Devide Type	Wireless Access point
Regulatory domain	H regulatory domain
Supported wireless LAN controllers	● 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	Cisco Unified Wireless Network Software Release 7.6MR2 or later
Data rates supported	802.11a: up to 54 Mbps ● 802.11g: up to 54 Mbps
Maximum number of nonoverlapping channels	5 GHz ● 802.11a: ○ 20 MHz: 21 ● 802.11n: ○ 20 MHz: 21 ○ 40 MHz: 9 ● 802.11ac: ○ 20 MHz: 21 ○ 40 MHz: 9 ○ 80 MHz: 4 ● 802.11n on 2.4 GHz: up to 144.4 Mbps ● 802.11ac on 5 GHz: up to 867Gbps 2.4 GHz ● 802.11b/g: ○ 20 MHz: 3 ● 802.11n: ○ 20 MHz: 3
Antenna (purchase separately)	Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz) Cisco offers the industry's broadest selection of antennas, delivering optimal coverage for a variety of deployment scenarios

Interfaces	10/100/1000BASE-T autosensing (RJ-45) Management console port (RJ-45)
System memory	512 MB DRAM 64 MB flash
Power consumption	15 Watts
IEEE standards	IEEE 802.11a/b/g, 802.11n, 802.11h, 802.11d
Security	● 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	● 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	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
Environmental	● Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) ● Nonoperating (storage) altitude test: 25˚C, 15,000 ft. ● Operating temperature: -4° to 122°F (-20° to 50°C) ● Operating humidity: 10% to 90% percent (noncondensing) ● Operating altitude test: 40˚C, 9843 ft.

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