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## Overview

AIR-CAP1602I-C-K9 provides internal antenna and C regulatory domain. This Cisco Aironet 1602 Access Point needs AP controller, supports internal antenna and follows 802.11a/b/g/n protocol.

## Quick Specs

Table 1

Product Code	AIR-CAP1602I-C-K9
WiFi Standards	802.11a/b/g/n
Ideal For	Small or midsize enterprises, midmarket
Max Data Rate	300 Mbps
MIMO Radio Design: Spatial Streams	3 x 3:2
Client count/ClientLink client count	128/32
Power	802.3af Ethernet Switch Power Injectors Local Power supply
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
Controller Available	Yes
Dimensions (W x L x H)	8.7 x 8.7 x 1.84 in.
Package Weight	2.0 kg

## The Accessories

Table 2 shows the recommended accessories.

Accessories	Models	Description
Ethernet Switch Power Injectors	<a href="#">AIR-PWRINJ5</a>	Aironet power injector AIR-PWRINJ5, 802.3af, 15.4W
	<a href="#">AIR-PWRINJ4=</a>	Cisco AP power option AIR-PWRINJ4 Power Injector
Local Power supply	<a href="#">AIR-PWR-B</a>	Cisco AP power option PwrSpplly:100-240VAC,48VDC

## Compare to Similar Item

Table 3 shows the comparison between two APs.

Models	AIR-CAP1602I-C-K9	<a href="#">AIR-CAP1602E-C-K9</a>
WiFi Standards	802.11a/b/g/n	802.11a/b/g/n
Antenna	Internal Antennas	External Antennas
Controller Available	Yes	Yes

<b>Regulatory Domain</b>	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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## Get more information

Do you have any question about the AIR-CAP1602I-C-K9?

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## Specification

<b>AIR-CAP1602I-C-K9 Specification</b>	
<b>Product Description</b>	Cisco Aironet 1600 Series Access Points with Integrated antennas
<b>Device Type</b>	Wireless Access point
<b>Regulatory domain</b>	C 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> </ul>
<b>Software</b>	Cisco Unified Wireless Network Software (available in Q4CY12) Cisco IOS @ Software Release (available in Q4CY12)
<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> <li>● 802.11n on 2.4 GHz: up to 300Mbps</li> </ul>
<b>Maximum number of nonoverlapping channels</b>	5 GHz <ul style="list-style-type: none"> <li>● 802.11a:               <ul style="list-style-type: none"> <li>○ 20 MHz: 24</li> </ul> </li> <li>● 802.11n:               <ul style="list-style-type: none"> <li>○ 20 MHz: 24</li> <li>○ 40 MHz: 9</li> </ul> </li> </ul> 2.4 GHz <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 (purchase separately)</b>	Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz) Cisco offers the industry's broadest selection of 802.11n antennas delivering optimal coverage for a variety of deployment scenarios
<b>Interfaces</b>	10/100/1000BASE-T autosensing (RJ-45) Management console port (RJ-45)
<b>System memory</b>	256 MB DRAM 32 MB flash
<b>Power consumption (power supply purchase separately)</b>	15.4 Watts (Standard 802.3af POE)
<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>● 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>	<p>C (C regulatory domain):</p> <p>2.412 to 2.472 GHz; 13 channels</p> <p>5.745 to 5.825 GHz; 5 channels</p>
<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: -4 to 122°F (-20 to 50°C)</li> <li>● Operating humidity: 10 to 90 % (noncondensing)</li> <li>● Operating Altitude Test: -40°C, 9843 ft.</li> </ul>

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