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## Overview

AIR-AP2802I-K-K9 is one of the Cisco Aironet 2800 Series Access Points. This 2800 series, delivering new 802.11ac Wave 2 standard, is ideal for large enterprise organizations that rely on Wi-Fi to engage with customers. The Series is a hands-off product that's intelligent enough to make decisions based on end-device activities and usage. AIR-AP2802I-K-K9 provides internal antenna and K regulatory domain.

## Quick Specification

Product Code	AIR-AP2802I-K-K9
Frequency band and 20-MHz operating channels	K (K regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.620 GHz; 7 channels - 5.745 to 5.805 GHz; 4 channels
Antenna	Internal Antenna
Features	<ul style="list-style-type: none"> <li>- 4x4 MU-MIMO with three spatial streams</li> <li>- MRC</li> <li>- 802.11ac Beamforming</li> <li>- 20-, 40-, 80, 160-MHz channels</li> <li>- PHY data rates up to 5.2 Gbps</li> <li>- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</li> <li>- 802.11 DFS</li> <li>- CSD support</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>- 2 x 100/1000BASE-T autosensing (RJ-45)</li> <li>- Management console port (RJ-45)</li> <li>- USB 2.0 (enabled via future software)</li> </ul>
System memory	<ul style="list-style-type: none"> <li>- 1024 MB DRAM</li> <li>- 256 MB flash</li> </ul>
Dimensions (W x L x H)	8.66 x 8.68 x 2.17 in.
Net Weight	3.53 lb (1.6 kg)



## Product Details:

### The Front Panel:



#### Notes:

There is a LED in the face of this AP.

### Compare to Similar Items

Models	AIR-AP2802I-N-K9	AIR-AP2802I-K-K9
Frequency band and 20-MHz operating channels	N (N regulatory domain): - 2.412 to 2.462 GHz; 11 channels - 5.180 to 5.320 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels	K (K regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.620 GHz; 7 channels - 5.745 to 5.805 GHz; 4 channels
Antenna	Internal Antenna	Internal Antenna
Features	<ul style="list-style-type: none"> <li>- 4x4 MU-MIMO with three spatial streams</li> <li>- MRC</li> <li>- 802.11ac Beamforming</li> <li>- 20-, 40-, 80, 160-MHz channels</li> <li>- PHY data rates up to 5.2 Gbps</li> <li>- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</li> <li>- 802.11 DFS</li> <li>- CSD support</li> </ul>	<ul style="list-style-type: none"> <li>- 4x4 MU-MIMO with three spatial streams</li> <li>- MRC</li> <li>- 802.11ac Beamforming</li> <li>- 20-, 40-, 80, 160-MHz channels</li> <li>- PHY data rates up to 5.2 Gbps</li> <li>- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</li> <li>- 802.11 DFS</li> <li>- CSD support</li> </ul>

#### Get more information:

Do you have any question about the AIR-AP2802I-K-K9?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

## Specific Data Sheet:

Software	<p>Cisco Unified Wireless Network Software Release 8.2.111.0 or later</p> <p>Cisco IOS®XE Software Release 16.3</p>
Supported wireless LAN controllers	<p>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</p> <p>Cisco Catalyst 3850 Series Switches, Cisco Catalyst 3650 Series Switches</p> <p>Cisco Mobility Express</p>
802.11n version 2.0 (and related) capabilities	<p>4x4 MIMO with three spatial streams</p> <p>Maximal ratio combining (MRC)</p> <p>802.11n and 802.11a/g beamforming</p> <p>20- and 40-MHz channels</p> <p>PHY data rates up to 450 Mbps (40 MHz with 5 GHz)</p> <p>Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</p> <p>802.11 dynamic frequency selection (DFS)</p> <p>Cyclic shift diversity (CSD) support</p>
802.11ac Wave 1 capabilities	<p>4x4 MIMO with three spatial streams</p> <p>MRC</p> <p>802.11ac beamforming</p> <p>20-, 40-, and 80-MHz channels</p> <p>PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz)</p> <p>Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</p> <p>802.11 DFS</p> <p>CSD support</p>
802.11ac Wave 2 capabilities	<p>4x4 MU-MIMO with three spatial streams</p> <p>MRC</p> <p>802.11ac beamforming</p> <p>20-, 40-, 80, 160-MHz channels</p> <p>PHY data rates up to 5.2 Gbps</p> <p>Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)</p> <p>802.11 DFS</p> <p>CSD support</p>
Integrated antenna	<p>Flexible radio (either 2.4 GHz or 5 GHz)</p> <p>2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth</p> <p>5 GHz, gain 6 dBi, internal directional antenna, elevation plane beamwidth 90°</p> <p>Dedicated 5-GHz radio</p> <p>5 GHz, gain 5 dBi, internal antenna, omnidirectional in azimuth</p>
External antenna (sold separately)	<p>2802e Series access points are certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)</p> <p>Cisco offers the industry's broadest selection of antennas, delivering optimal coverage for a variety of deployment scenarios</p>
Smart antenna connector	<p>Available on the 2802e Series access points only</p> <p>Requires the AIR-C-AB002-DART-R= 2 ft smart antenna connector to RP-TNC connectors to</p>



	<p>connect a second antenna to the access point</p> <p>Required when running the flexible radio as either a second 5-GHz serving radio or Wireless Security Monitoring radio</p>
Interfaces	<p>2802I/E</p> <ul style="list-style-type: none"> <li>◦ 2x100/1000BASE-T autosensing (RJ-45)</li> </ul> <p>Management console port (RJ-45)</p> <p>USB 2.0 (enabled via future software)</p>
Indicators	<p>Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors</p>
Dimensions (W x L x H)	<p>Access point (without mounting brackets): 2802I: 8.66" x 8.68" x 2.17", 2802E: 8.66" x 8.77" x 2.50"</p>
Weight	<p>Cisco Aironet 2802i</p> <p>3.53 lb (1.6 kg)</p> <p>Cisco Aironet 2802e</p> <p>4.6 lb (2.09 kg)</p>
Input power requirements	<p>802.3at PoE+, Cisco Universal PoE (Cisco UPOE®)</p> <p>802.3at power injector (AIR-PWRINJ6=)</p>
Power draw	<p>26W at the PSE with all features enabled except for the USB 2.0 port</p> <p>30W at the PSE with the USB 2.0 port enabled</p>
Environmental	<p>Cisco Aironet 2802i</p> <p>Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C)</p> <p>Nonoperating (storage) altitude test: 25°C, 15,000 ft.</p> <p>Operating temperature: 32° to 104°F (0° to 40°C)</p> <p>Operating humidity: 10% to 90% (noncondensing)</p> <p>Operating altitude test: 40°C, 9843 ft.</p> <p>Cisco Aironet 2802e</p> <p>Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C)</p> <p>Nonoperating (storage) altitude test: 25°C, 15,000 ft.</p> <p>Operating temperature: -4° to 122°F (-20° to 50°C)</p> <p>Operating humidity: 10% to 90% (noncondensing)</p> <p>Operating altitude test: 40°C, 9843 ft.</p>
System memory	<p>1024 MB DRAM</p> <p>256 MB flash</p>
Warranty	<p>Limited lifetime hardware warranty</p>





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