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## Overview

AIR-AP3802I-H-K9 is one of the Cisco 3800 Series Access Points. The Cisco Aironet 3800 Wi-Fi access points are designed for large enterprise organizations that rely on Wi-Fi to engage with customers. The 3800 series provides multiple gigabit uplink speeds of 2.5 Gbps and 5 Gbps in addition to 100-Mbps and 1-Gbps speeds. It also delivers new 802.11ac Wave 2 standard. Cisco Aironet 3800 Series Wi-Fi access points are highly versatile and deliver the most functionality of any access points in the industry. AIR-AP3802I-H-K9 is designed for Indoor, challenging environments, with internal antennas. Besides, it provides H regulatory domain.

## Quick Specification

Product Code	AIR-AP3802I-H-K9
Antennas	Internal Antennas
Interfaces	<ul style="list-style-type: none"><li>- 2 Ethernet ports</li><li>- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)</li><li>- CAT 5e cabling</li><li>- Higher-quality 10GBASE-T (CAT 6/6a) cabling</li><li>- 100/1000BASE-T autosensing (RJ-45 - AUX port)</li><li>- Management console port (RJ-45)</li></ul>
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>
Regulatory Domain	H (H regulatory domain): <ul style="list-style-type: none"><li>- 2.412 to 2.472 GHz; 13 channels</li><li>- 5.150 to 5.320 GHz; 8 channels</li><li>- 5.745 to 5.825 GHz; 5 channels</li></ul>
System	<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 2.46 in. (22 x 22 x 6.25 cm)
Net Weight	4.6 lb (2.09 kg)

## Product Details:

### The Front Panel:



### Compare to Similar Items

Models	AIR-AP3802I-H-K9	AIR-AP3802E-H-K9
Antenna	Internal Antenna	External Antenna
Interfaces	<ul style="list-style-type: none"><li>- 2 Ethernet ports</li><li>- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)</li><li>- CAT 5e cabling</li><li>- Higher-quality 10GBASE-T (CAT 6/6a) cabling</li><li>- 100/1000BASE-T autosensing (RJ-45 - AUX port)</li><li>- Management console port (RJ-45)</li></ul>	<ul style="list-style-type: none"><li>- 2 Ethernet ports</li><li>- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)</li><li>- CAT 5e cabling</li><li>- Higher-quality 10GBASE-T (CAT 6/6a) cabling</li><li>- 100/1000BASE-T autosensing (RJ-45 - AUX port)</li><li>- Management console port (RJ-45)</li></ul>
Regulatory Domain	<p>H (H regulatory domain):</p> <ul style="list-style-type: none"><li>- 2.412 to 2.472 GHz; 13 channels</li><li>- 5.150 to 5.320 GHz; 8 channels</li><li>- 5.745 to 5.825 GHz; 5 channels</li></ul>	<p>H (H regulatory domain):</p> <ul style="list-style-type: none"><li>- 2.412 to 2.472 GHz; 13 channels</li><li>- 5.150 to 5.320 GHz; 8 channels</li><li>- 5.745 to 5.825 GHz; 5 channels</li></ul>

Get more information:

Do you have any question about the AIR-AP3802I-H-K9?

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

## Specific Data Sheet:

Software and supported wireless LAN controllers	Cisco Unified Wireless Network Software Release 8.2.MR1 or later
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	<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 IOS®XE Software Release 16.3 – Target Q3 CY2016</p> <p>Cisco Catalyst 3850 Series and 3650 Series Switches</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>3802e Series access points are certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)</p> <p>3802p Series access points are certified for use with antenna gains up to 13 dBi (2.4 GHz and 5 GHz) with the AIR-ANT2513-P4M-N=antenna</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 3802e Series and 3802p Series access points only</p> <p>Requires the AIR-CAB002-DART-R= 2 ft smart antenna connector to RP-TNC connectors to connect a second antenna to the access point</p> <p>Required when running the flexible radio as either a:</p> <ul style="list-style-type: none"> <li>◦ Second 5-GHz serving radio</li> <li>◦ Wireless Security Monitoring radio</li> </ul>

# AIR-AP3802I-H-K9 Datasheet



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Interfaces	<ul style="list-style-type: none"> <li>◦ 2 Ethernet ports</li> <li>◦ 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz</li> <li>◦ CAT 5e cabling</li> <li>◦ Higher-quality 10GBASE-T (CAT 6/6a) cabling</li> <li>◦ 100/1000BASE-T autosensing (RJ-45 - AUX port)</li> <li>◦ Management console port (RJ-45)</li> </ul>
Indicators	Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors
Dimensions (W x L x H)	Access point (without mounting brackets): 3802I: 8.66 x 8.68 x 2.46 in. (22 x 22 x 6.25 cm), 3802E: 8.66 x 8.68 x 2.62 in. (22 x 22 x 6.7 cm), 3802P: 8.66 x 8.68 x 2.62 in. (22 x 22 x 6.7 cm)
Weight	4.6 lb (2.09 kg)
Input power requirements	<p>802.3at PoE+, Cisco Universal Power over Ethernet (Cisco UPOE®)</p> <p>802.3at power injector (AIR-PWRINJ6=)</p> <p>50W power supply (AIR-PWR-50=)</p>
Power draw	<p>30W at the PSE with all features enabled except for the USB 2.0 port</p> <p>34W at the PSE with the USB 2.0 port enabled</p>
Environmental	<p>Cisco Aironet 3800i</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% percent (noncondensing)</p> <p>Operating altitude test: 40°C, 9843 ft.</p> <p>Cisco Aironet 3800e</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> <p>Cisco Aironet 3800p</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	Limited lifetime hardware warranty





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HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

