

Overview

The Cisco® Aironet 1840 Access Points delivers an ideal blend of predictable performance in a compact form factor. Packed with 802.11ac Wave 2 features and Bluetooth Low Energy (BLE) for location-based services, this platform is ideal for small to mid-size enterprise deployments.

Product Details

Cisco AP AIR-AP1840I Series provides these features:

- 802.11ac Wave 1 and 2 capabilities
- Multiuser Multiple-Input Multiple-Output (MU-MIMO) technology
- Intelligent Capture
- Cisco Mobility Express
- Bluetooth 4.2

Supported Platforms

Table 1 shows the supported platforms and software.

Supported wireless LAN controllers and Software	Recommended Model
Cisco 3500 Series Wireless Controllers	AIR-CT3504-K9
Cisco 5520 Series Wireless Controllers	AIR-CT5520-K9
Cisco 8540 Series Wireless Controllers	AIR-CT8540-K9 AIR-CT8540-1K-K9
Cisco 9800 series Wireless Controllers	C9800-40-K9 C9800-80-K9
Cisco Virtual Wireless Controller	/
Cisco Unified Wireless Network Software Release 8.8 MR2 or later	/
Cisco IOS® XE Software Release 16.11 or later	/

Compare to Similar Items

Table 3 shows the comparison of Cisco AIR-AP1840I Series.

SKU	Description
AIR-AP1840I-A-K9	Cisco Aironet AP1840I Series access point - A domain
AIR-AP1840I-B-K9	Cisco Aironet AP1840I Series access point - B domain
AIR-AP1840I-D-K9	Cisco Aironet AP1840I Series access point - D domain
AIR-AP1840I-E-K9	Cisco Aironet AP1840I Series access point - E domain
AIR-AP1840I-F-K9	Cisco Aironet AP1840I Series access point - F domain
AIR-AP1840I-G-K9	Cisco Aironet AP1840I Series access point - G domain
AIR-AP1840I-H-K9	Cisco Aironet AP1840I Series access point - H domain
AIR-AP1840I-I-K9	Cisco Aironet AP1840I Series access point - I domain
AIR-AP1840I-K-K9	Cisco Aironet AP1840I Series access point - K domain

AIR-AP1840I-N-K9	Cisco Aironet AP1840I Series access point - N domain
AIR-AP1840I-S-K9	Cisco Aironet AP1840I Series access point - S domain
AIR-AP1840I-T-K9	Cisco Aironet AP1840I Series access point - T domain
AIR-AP1840I-Z-K9	Cisco Aironet AP1840I Series access point - Z domain

Get More Information

Do you have any question about the AIR-AP1840I-T-K9?

Specification

<https://www.uritprice.com/>

AIR-AP1840I-T-K9 Specification	
Description	Cisco Aironet AP1840I Series access point - T domain
Software	<ul style="list-style-type: none"> •Cisco Unified Wireless Network Software Release 8.8 MR2 or later • Cisco IOS ® XE Software Release 16.12 or later
Supported wireless LAN controllers	<ul style="list-style-type: none"> •Cisco Catalyst 9800 Wireless Controllers •Cisco 3500, 5520 and 8540 Series Wireless Controllers, Cisco Virtual Wireless Controller •Cisco Mobility Express
802.11n version 2.0 (and related) capabilities	<ul style="list-style-type: none"> •5 GHz, 4x4 MIMO with four spatial streams •2.4 GHz, 2x2 MIMO with two spatial streams •Maximal Ratio Combining (MRC) •802.11n and 802.11a/g beamforming •20 and 40 MHz channels •PHY data rates up to 744 Mbps (40 MHz with 5 GHz and 20MHz with 2.4GHz) •Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) •802.11 Dynamic Frequency Selection (DFS) •Cyclic Shift Diversity (CSD) support
802.11ac	<ul style="list-style-type: none"> •4x4 downlink MU-MIMO with four spatial streams •MRC •802.11ac beamforming •20, 40, 80 MHz channels •PHY data rates up to 1733 Mbps (80MHz with 5 GHz) •Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) •802.11 DFS •CSD support
Integrated antenna	<ul style="list-style-type: none"> •2.4 GHz, peak gain 4 dBi, internal antenna, omnidirectional in azimuth •5 GHz, peak gain 5 dBi, internal antenna, omnidirectional in azimuth
Interfaces	<ul style="list-style-type: none"> •2 x 10/100/1000BASE-T autosensing (RJ-45), Power over Ethernet (PoE) •Management console port (RJ-45) •USB 2.0 (enabled via future software)
Indicators	<ul style="list-style-type: none"> •Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors
Dimensions (W x L x H)	<ul style="list-style-type: none"> • Access point (without mounting brackets): AIR-AP1840I: 7 x 7 x 1.5 in
Input power requirements	<ul style="list-style-type: none"> • 802.3at PoE+, Cisco Universal PoE (Cisco UPOE®) •Cisco power injector, AIR-PWRINJ6= •802.3af PoE •Cisco power injector, AIR-PWRINJ5= (note: this injector only supports 802.3af) <p>Note: When 802.3af PoE is the source of power, then USB port will be off</p>
Power draw	<p>Cisco AIR-AP1840I</p> <ul style="list-style-type: none"> •13.2W at the PSE (12.1W at the PD) with all features enabled except for the USB port •17.8W at the PSE (16.0W at the PD) with the USB port enabled

Environmental	<p>Cisco AIR-AP1840I</p> <ul style="list-style-type: none"> •Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) •Nonoperating (storage) altitude test: 25°C, 15,000 ft. •Operating temperature: 32° to 122°F (0° to 50°C) •Operating humidity: 10% to 90% (noncondensing) •Operating altitude test: 40°C, 9843 ft. <p>Note: when ambient operating temperature exceeds 40°C, then the radio transmit duty cycle may be limited to not greater than 50%.</p>
System memory	<ul style="list-style-type: none"> •1GB MB DRAM •256 MB flash
Available transmit power settings	<p>2.4 GHz</p> <ul style="list-style-type: none"> •20 dBm (100 mW) •17 dBm (50 mW) •14 dBm (25 mW) •11 dBm (12.5 mW) •8 dBm (6.25 mW) •5 dBm (3.13 mW) •2 dBm (1.56 mW) • -1 dBm (0.79 mW) <p>5 GHz</p> <ul style="list-style-type: none"> •23 dBm (200 mW) •20 dBm (100 mW) •17 dBm (50 mW) •14 dBm (25 mW) •11 dBm (12.5 mW) •8 dBm (6.25 mW) •5 dBm (3.13 mW) •2 dBm (1.56 mW)
Frequency band and 20-MHz operating channels	<p>T (T regulatory domain):</p> <ul style="list-style-type: none"> •2.412 to 2.462 GHz; 11 channels •5.180 to 5.320 GHz; 3 channels •5.500 to 5.700 GHz; 12 channels •5.745 to 5.825 GHz; 5 channels

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