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Overview

AIR-AP2802I-S-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-S-K9 provides internal antenna and S regulatory domain.

Quick Specification

Product Code	AIR-AP2802I-S-K9
Frequency band and 20-MHz operating channels	S (S regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.700 GHz;, 11 channels - 5.745 to 5.825 GHz; 5 channels
Antenna	Internal Antenna
Features	- 4x4 MU-MIMO with three spatial streams - MRC - 802.11ac Beamforming - 20-, 40-, 80, 160-MHz channels - PHY data rates up to 5.2 Gbps - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) - 802.11 DFS - CSD support
Interfaces	- 2 x 100/1000BASE-T autosensing (RJ-45) - Management console port (RJ-45) - USB 2.0 (enabled via future software)
System memory	- 1024 MB DRAM - 256 MB flash
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-S-K9	AIR-AP2802I-T-K9
Frequency band and 20-MHz operating channels	S (S regulatory domain): - 2.412 to 2.472 GHz; 13 channels	T (T regulatory domain): - 2.412 to 2.462 GHz; 11 channels

	- 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.700 GHz;, 11 channels - 5.745 to 5.825 GHz; 5 channels	- 5.280 to 5.320 GHz; 3 channels - 5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz) - 5.745 to 5.825 GHz; 5 channels
Antenna	Internal Antenna	Internal Antenna
Features	- 4x4 MU-MIMO with three spatial streams - MRC - 802.11ac Beamforming - 20-, 40-, 80, 160-MHz channels - PHY data rates up to 5.2 Gbps - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) - 802.11 DFS - CSD support	- 4x4 MU-MIMO with three spatial streams - MRC - 802.11ac Beamforming - 20-, 40-, 80, 160-MHz channels - PHY data rates up to 5.2 Gbps - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) - 802.11 DFS - CSD support

Get more information:

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

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Software	Cisco Unified Wireless Network Software Release 8.2.111.0 or later Cisco IOS®XE Software Release 16.3
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 Catalyst 3850 Series Switches, Cisco Catalyst 3650 Series Switches Cisco Mobility Express
802.11n version 2.0 (and related) capabilities	4x4 MIMO with three spatial streams Maximal ratio combining (MRC) 802.11n and 802.11a/g beamforming 20- and 40-MHz channels PHY data rates up to 450 Mbps (40 MHz with 5 GHz) Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) 802.11 dynamic frequency selection (DFS) Cyclic shift diversity (CSD) support
802.11ac Wave 1 capabilities	4x4 MIMO with three spatial streams MRC 802.11ac beamforming 20-, 40-, and 80-MHz channels PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz) Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) 802.11 DFS

	CSD support
802.11ac Wave 2 capabilities	4x4 MU-MIMO with three spatial streams
	MRC
	802.11ac beamforming
	20-, 40-, 80, 160-MHz channels
	PHY data rates up to 5.2 Gbps
	Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
	802.11 DFS
	CSD support
Integrated antenna	Flexible radio (either 2.4 GHz or 5 GHz)
	2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth
	5 GHz, gain 6 dBi, internal directional antenna, elevation plane beamwidth 90°
	Dedicated 5-GHz radio
	5 GHz, gain 5 dBi, internal antenna, omnidirectional in azimuth
External antenna (sold separately)	2802e Series access points are 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
Smart antenna connector	Available on the 2802e Series access points only
	Requires the AIR-CAB002-DART-R= 2 ft smart antenna connector to RP-TNC connectors to connect a second antenna to the access point
	Required when running the flexible radio as either a second 5-GHz serving radio or Wireless Security Monitoring radio
Interfaces	2802I/E
	◦ 2x100/1000BASE-T autosensing (RJ-45)
	Management console port (RJ-45)
	USB 2.0 (enabled via future software)
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): 2802I: 8.66" x 8.68" x 2.17", 2802E: 8.66" x 8.77" x 2.50"
Weight	Cisco Aironet 2802i
	3.53 lb (1.6 kg)
	Cisco Aironet 2802e
	4.6 lb (2.09 kg)
Input power requirements	802.3at PoE+, Cisco Universal PoE (Cisco UPOE®)
	802.3at power injector (AIR-PWRINJ6=)
Power draw	26W at the PSE with all features enabled except for the USB 2.0 port
	30W at the PSE with the USB 2.0 port enabled
Environmental	Cisco Aironet 2802i
	Nonoperating (storage) temperature: -22° to 158°F (-30° to 70℃)
	Nonoperating (storage) altitude test: 25°C, 15,000 ft.
	Operating temperature: 32° to 104°F (0° to 40℃)
	Operating humidity: 10% to 90% (noncondensing)
	Operating altitude test: 40°C, 9843 ft.
	Cisco Aironet 2802e
	Nonoperating (storage) temperature: -22° to 158°F (-30° to 70℃)

	Nonoperating (storage) altitude test: 25°C, 15,000 ft.
	Operating temperature: -4° to 122°F (-20° to 50°C)
	Operating humidity: 10% to 90% (noncondensing)
	Operating altitude test: 40°C, 9843 ft.
System memory	1024 MB DRAM
	256 MB flash
Warranty	Limited lifetime hardware warranty

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223