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Overview

AIR-AP3802E-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-AP3802E-H-K9 is designed for Indoor, challenging environments, with external antennas. Besides, it provides H regulatory domain.

Quick Specification

Product Code	AIR-AP3802E-H-K9
Antennas	External Antennas
Permit Antenna Gains	Up to 6 dBi
Interfaces	- 2 Ethernet ports - 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) - CAT 5e cabling - Higher-quality 10GBASE-T (CAT 6/6a) cabling - 100/1000BASE-T autosensing (RJ-45 - AUX port) - Management console port (RJ-45)
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
Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.320 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels
System	- 1024 MB DRAM - 256 MB flash
Dimensions (W x L x H)	8.66 x 8.68 x 2.62 in. (22 x 22 x 6.7 cm)
Net Weight	4.6 lb (2.09 kg)

Product Details:

The Front Panel:

· There are four antenna connectors and one LED indicator on the face of AIR-AP3802E.

Accessories For AIR-AP3802E-H-K9:

Supported External Antennas

Model	Descriptions
AIR-ANT2524DB-R	Cisco AIR-ANT2524DB-R 2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant., Black, RP-TNC
AIR-ANT2524DG-R/=	Cisco AIR-ANT2524DG-R 2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant., Gray, RP-TNC
AIR-ANT2524DW-R/=	Cisco AIR-ANT2524DW-R 2.4 GHz 2 dBi/5 GHz 4 dBi Dipole Ant., White, RP-TNC
AIR-ANT2566P4W-R=	Cisco AIR-ANT2566P4W-R 2.4 GHz 6 dBi/5 GHz 6 dBi Directional Ant., 4-port, RP-TNC
AIR-ANT2524V4C-R=	Cisco AIR-ANT2524V4C-R 2.4GHz 2dBi/5GHz 4dBi Ceiling Mount Omni Ant., 4-port,RP-TNC
AIR-ANT2544V4M-R=	Cisco AIR-ANT2544V4M-R 2.4GHz 4dBi/5GHz 4dBi Multi Mount Omni Ant., 4-port,RP-TNC

Compare to Similar Items

Models	AIR-AP3802E-H-K9	AIR-AP3802P-H-K9
Permit Antenna Gains	Up to 6 dBi	Up to 13 dBi
Interfaces	- 2 Ethernet ports	- 2 Ethernet ports

	- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) - CAT 5e cabling - Higher-quality 10GBASE-T (CAT 6/6a) cabling - 100/1000BASE-T autosensing (RJ-45 - AUX port) - Management console port (RJ-45)	- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) - CAT 5e cabling - Higher-quality 10GBASE-T (CAT 6/6a) cabling - 100/1000BASE-T autosensing (RJ-45 - AUX port) - Management console port (RJ-45)
Regulatory Domain	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.320 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels	H (H regulatory domain): - 2.412 to 2.472 GHz; 13 channels - 5.150 to 5.320 GHz; 8 channels - 5.745 to 5.825 GHz; 5 channels

Specific Data Sheet:

Software and supported wireless LAN controllers	Cisco Unified Wireless Network Software Release 8.2.MR1 or later 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 IOS®XE Software Release 16.3 – Target Q3 CY2016 Cisco Catalyst 3850 Series and 3650 Series Switches
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)	3802e Series access points are certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz) 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 Cisco offers the industry's broadest selection ofantennas, delivering optimal coverage for a variety of deployment scenarios
Smart Antenna Connector	Available on the 3802e Series and 3802p 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 ◦ Wireless Security Monitoring radio
Interfaces	◦ 2 Ethernet ports ◦ 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz ◦ CAT 5e cabling ◦ Higher-quality 10GBASE-T (CAT 6/6a) cabling ◦ 100/1000BASE-T autosensing (RJ-45 - AUX port) ◦ Management console port (RJ-45)
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	802.3at PoE+, Cisco Universal Power over Ethernet (Cisco UPOE®) 802.3at power injector (AIR-PWRINJ6=) 50W power supply (AIR-PWR-50=)
Power draw	30W at the PSE with all features enabled except for the USB 2.0 port 34W at the PSE with the USB 2.0 port enabled
Environmental	Cisco Aironet 3800i Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) Nonoperating (storage) altitude test: 25°C, 15,000 ft. Operating temperature: 32° to 104°F (0° to 40°C) Operating humidity: 10% to 90% percent (noncondensing) Operating altitude test: 40°C, 9843 ft. Cisco Aironet 3800e Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C)

	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. Cisco Aironet 3800p Nonoperating (storage) temperature: -22° to 158°F (-30° to 70°C) 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