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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
	- 2 Ethernet ports
	- 100/1000/2500/5000 Multigigabit Ethernet (RJ-45)
Interfaces	- CAT 5e cabling
interfaces	- Higher-quality 10GBASE-T (CAT 6/6a) cabling
	- 100/1000BASE-T autosensing (RJ-45 - AUX port)
	- Management console port (RJ-45)
	- 4x4 MU-MIMO with three spatial streams
	- MRC
	- 802.11ac beamforming
Features	- 20-, 40-, 80, 160-MHz channels
reatures	- PHY data rates up to 5.2 Gbps
	- Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
	- 802.11 DFS
	- CSD support
	H (H regulatory domain):
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
	- 1024 MB DRAM
System	- 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:



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

Get more information:

Do you have any question about the AIR-AP3802E-H-K9?

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

Specific Data Sheet:

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 8500 Series Wireless Controllers, Cisco Virtual Wireless Controller Cisco 105®XE Software Release 16.3 – Target Q3 CY2016 Cisco Catalyst 3850 Series and 3650 Series Switches 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 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11ac Wave 1 capabilities And Cisco 2500 Series Wireless Controllers, Cisco 5500 Series Wireless CSD support 4x4 MU-MIMO with three spatial streams MRC 802.11ac Wave 2 capabilities MRC 802.11ac Wave 2 capabilities		
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 Flex® 7500 Series Wireless Controllers, Cisco 8500 Series Wireless Controllers, Cisco Virtual Wireless Controller Cisco 105®XE Software Release 16.3 – Target Q3 CY2016 Cisco Catalyst 3850 Series and 3650 Series Switches 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 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11ac Wave 1 capabilities 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11 DFS CSD support 4x4 MU-MIMO with three spatial streams	Software and supported wireless LAN controllers	Cisco Unified Wireless Network Software Release 8.2.MR1 or later
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 4x4 MIMO with three spatial streams Maximal ratio combining (MRC) 802.11n version 2.0 (and related) capabilities 802.11n version 2.0 (and related) capabilities 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 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11ac Wave 1 capabilities 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 4x4 MU-MIMO with three spatial streams		Cisco 2500 Series Wireless Controllers, Cisco Wireless Controller Module for ISR G2, Cisco
Controllers, Cisco Virtual Wireless Controller Cisco IOS®XE Software Release 16.3 – Target Q3 CY2016 Cisco Catalyst 3850 Series and 3650 Series Switches 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 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11 ac Wave 1 capabilities 802.11 DFS CSD support 4x4 MU-MIMO with three spatial streams		Wireless Services Module 2 (WiSM2) for Catalyst®6500 Series Switches, Cisco 5500 Series
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Cisco Catalyst 3850 Series and 3650 Series Switches 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 4x4 MIMO with three spatial streams MRC 802.11ac Wave 1 capabilities 802.11ac Wave 1 capabilities 802.11ac Wave 1 capabilities 802.11 DFS CSD support 4x4 MIMO with three spatial streams		Controllers, Cisco Virtual Wireless Controller
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802.11 DFS CSD support 4x4 MU-MIMO with three spatial streams	802.11ac Wave 1 capabilities	PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz)
CSD support 4x4 MU-MIMO with three spatial streams		Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)
4x4 MU-MIMO with three spatial streams		802.11 DFS
		CSD support
802.11ac Wave 2 capabilities MRC	802.11ac Wave 2 capabilities	4x4 MU-MIMO with three spatial streams
		MRC
802.11ac beamforming		802.11ac beamforming





	No.
	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
	Flexible radio (either 2.4 GHz or 5 GHz)
	2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth
Integrated antenna	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
	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
External antenna (sold separately)	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
	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
Smart Antenna Connector	Required when running the flexible radio as either a:
	Second 5-GHz serving radio
	Wireless Security Monitoring radio
	• 2 Ethernet ports
	• 100/1000/2500/5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz
Interfaces	• 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)
	802.3at PoE+, Cisco Universal Power over Ethernet (Cisco UPOE®)
Input power requirements	802.3at power injector (AIR-PWRINJ6=)
	50W power supply (AIR-PWR-50=)
	30W at the PSE with all features enabled except for the USB 2.0 port
Power draw	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
	I.

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