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Overview

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

Quick Specification

Product Code	AIR-AP3802E-E-K9
Antennas	External Antennas
Permit Antenna Gains	Up to 6 dBi
Interfaces	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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
System	<ul style="list-style-type: none"> - 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 AP3802E-E-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-E-K9	AIR-AP3802P-E-K9
Permit Antenna Gains	Up to 6 dBi	Up to 13 dBi
Interfaces	- 2 Ethernet ports	- 2 Ethernet ports



	<ul style="list-style-type: none"> - 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) 	<ul style="list-style-type: none"> - 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	<p>E (E regulatory domain):</p> <ul style="list-style-type: none"> - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.700 GHz; 8 channels <p>(excludes 5.600 to 5.640 GHz)</p>	<p>E (E regulatory domain):</p> <ul style="list-style-type: none"> - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.700 GHz; 8 channels <p>(excludes 5.600 to 5.640 GHz)</p>

Get more information:

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

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

Specific Data Sheet:

Description	802.11ac Wave 2 AP w/CleanAir, 4x4:3, Mod, External Antenna, mGig, E Regulatory Domain
Regulatory Domain	<p>E (E regulatory domain):</p> <ul style="list-style-type: none"> - 2.412 to 2.472 GHz; 13 channels - 5.180 to 5.320 GHz; 8 channels - 5.500 to 5.700 GHz; 8 channels <p>(excludes 5.600 to 5.640 GHz)</p>
Software and supported wireless LAN controllers	<p>Cisco Unified Wireless Network Software Release 8.2.MR1 or later</p> <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"> ◦ Second 5-GHz serving radio ◦ Wireless Security Monitoring radio
Interfaces	<ul style="list-style-type: none"> ◦ 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	<p>Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors</p>
Dimensions (W x L x H)	<p>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)</p>
Weight	<p>4.6 lb (2.09 kg)</p>
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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Email: info@hi-network.com

Skype: echo.hinetwork



WhatsApp Business: +8618057156223