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# Overview

AIR-AP2802E-H-K9C 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-AP2802E-H-K9C provides external antenna and H regulatory domain.

## Quick Specification

**Table 1 shows the quick specs of AIR-AP2802E-H-K9C.**

| | |
|---|---|
| Part Number | AIR-AP2802E-H-K9C |
| Description | 802.11ac Wave 2 AP w/CleanAir, 4x4:3, External Antenna, H Regulatory Domain, Configurable |
| Frequency band and 20-MHz operating channels | H (H regulatory domain):<br>- 2.412 to 2.472 GHz; 13 channels<br>- 5. 150 to 5.350 GHz; 8 channels<br>- 5.745 to 5.825 GHz; 5 channels |
| Features | 4x4 MU-MIMO with three spatial streams<br>MRC<br>802.11ac beamforming<br>20-, 40-, 80, 160-MHz channels<br>PHY data rates up to 5.2 Gbps<br>Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx)<br>802.11 DFS<br>CSD support |
| Interfaces | 2x100/1000BASE-T autosensing (RJ-45)<br>Management console port (RJ-45)<br>USB 2.0 (enabled via future software) |
| System memory | - 1024 MB DRAM<br>- 256 MB flash |
| Dimensions (W x L x H) | 8.66 x 8.77 x 2.50 in. |
| Weight | 4.6 lb (2.09 kg) |

**Figure 1 shows the appearance of the AIR-AP2802E-H-K9C.**



# Product Details

**Figure 2 shows the face of AIR-AP2802E Model.**



Note:

| | | | |
|---|---|---|---|
| (1) | Dual-band antenna connector A with antenna | (4) | Dual-band antenna connector C with antenna |
| (2) | Location of the Smart antenna connector port on the right side of the AP | (5) | Status LED |
| (3) | Dual-band antenna connector D with antenna | (6) | Dual-band antenna connector B with antenna |

# Compare to Similar Items

**Table 2 shows the comparison between two AP.**

| Part Number | AIR-AP2802E-I-K9C | AIR-AP2802E-H-K9C |
|---|---|---|
| Regulatory Domain | I (I regulatory domain):<br><br>- 2.412 to 2.472 GHz; 13 channels | H (H regulatory domain):<br><br>- 2.412 to 2.472 GHz; 13 channels |

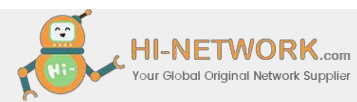| | | |
|---|---|---|
| | - 5.180 to 5.320 GHz; 8 channels | - 5. 150 to 5.350 GHz; 8 channels |
| | | - 5.745 to 5.825 GHz; 5 channels |
| Antenna | External Antenna | External Antenna |
| Features | - 4x4 MU-MIMO with three spatial streams | - 4x4 MU-MIMO with three spatial streams |
| | - MRC | - MRC |
| | - 802.11ac Beamforming | - 802.11ac Beamforming |
| | - 20-, 40-, 80, 160-MHz channels | - 20-, 40-, 80, 160-MHz channels |
| | - PHY data rates up to 5.2 Gbps | - PHY data rates up to 5.2 Gbps |
| | - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) | - Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) |
| | - 802.11 DFS | - 802.11 DFS |
| | - CSD support | - CSD support |

## Get More Information

Do you have any question about the AIR-AP2802E-H-K9C?

Contact us now via info@hi-network.com.

# Specification

| AIR-AP2802E-H-K9C Specification | |
|---|---|
| **Networking** | |
| Type | Wireless access point |
| Form Factor | External |
| Connectivity Technology | Wireless |
| Data Transfer Rate | 5.2 Gbps |
| Data Link Protocol | IEEE 802.11a, IEEE 802.11ac Wave 2, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n |
| Compliant Standards | IEEE 802.11a, IEEE 802.11ac, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3ad (LACP) |
| Status Indicators | Boot state, Error, Status |
| Features | 4T4R MIMO technology, Auto-sensing per device, Beamforming technology, CleanAir technology, ClientLink 4.0 technology, Cross AP Noise Reduction, Cyclic shift diversity (CSD), DFS support, High Density Experience (HDX), Link Aggregation Control Protocol (LACP), Maximum Ratio Combining (MRC), MIMO equalization, Optimized AP Roaming, Packet aggregation A-MPDU, Packet aggregation A-MSDU |
| Wireless Protocol | 802.11a/b/g/n/ac Wave 2 |
| Wi-Fi Bands | 2.4 GHz, 5 GHz |
| **Interface Provided** | |
| Qty | 1 |
| Type | Console |
| Connector Type | RJ-45 |

| Miscellaneous | |
|---|---|
| Included Accessories | Ceiling grid clip, Low profile bracket |
| **Service** | |
| Support Details Type | Limited warranty |
| Support Details Service Included | Advance hardware replacement |
| Support Details Full Contract Period | Lifetime |
| **Header** | |
| Compatibility | PC |
| Country Kits | China |
| Manufacturer | Cisco Systems |
| Packaged Quantity | 1 |
| Product Line | Cisco Aironet |
| Model | 2802E |
| Brand | Cisco |
| **Service & Support Details** | |
| Response Time | 10 days |
| Software | |
| Type | CAPWAP Software Image |
| **Capacity** | |
| Type | Spatial streams |
| Value | 3 |
| **Dimensions & Weight** | |
| Width | 8.7 in |
| Depth | 8.8 in |
| Height | 2.5 in |
| **Service & Support** | |
| Type | Limited lifetime warranty |
| **Chassis** | |
| Ruggedized Design | Indoor |

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