

# Cisco AIR-CAP3502I-A-K9 Datasheet



Cisco AIR-CAP3502I-A-K9 3500 802.11a/g/n Ctrlr-based AP w/CleanAir, Int Ant, A Reg Domain

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Cisco Aironet 3500 Series Access Points with Cisco CleanAir technology are the industry's first 802.11n access points to create a self-healing, self-optimizing wireless network. CleanAir technology is a systemwide feature of the Cisco Unified Wireless Network that improves air quality by detecting RF interference that other systems can't recognize, identifying the source, locating it on a map, and then making automatic adjustments to optimize wireless coverage. These innovative access points provide the highest-performance 802.11n connectivity for mission-critical mobility. By intelligently avoiding interference, the 3500 Series offers performance protection for 802.11n networks to help ensure reliable application delivery.

The Cisco 3500 series of access points is ideal for today's enterprise wireless applications, packed with the most advanced features in its class, this device will deliver the performance needed for heavy user activity. The 3500 series access points have the ability to reach 300-Mbps data rates. The interesting feature on the 3500 series access points is the ability to have a self-healing and self-optimize the network. This series is designed for offices, warehouses, factories, other rugged indoor environments. With 802.11n and MIMO technology, the 3500 series access points deliver the speed and expandability that you expect. Please note that a controller is required for this item. PoE Power Over Ethernet, power supplies sold separately. Requires a compatible WLAN Controller (sold separately).

Building on the Cisco Aironet heritage of RF excellence, the 3500 Series delivers industry-leading performance for secure and reliable wireless connections. Enterprise-class silicon and optimized radios deliver a robust mobility experience using Cisco M-Drive technology, which includes:

- ClientLink improves reliability and coverage for legacy clients
- BandSelect improves 5-GHz client connections in mixed client environments
- VideoStream uses multicast to improve rich-media applications

All of these features help ensure the best possible end-user experience on the wireless network

Cisco also offers the industry's broadest selection of 802.11n antennas delivering optimal coverage for a variety of deployment scenarios

### Scalability

The Cisco Aironet 3500 Series is a component of the Cisco Unified Wireless Network, which can scale up to 18,000 access points with full Layer 3 mobility across central or remote locations on the enterprise campus, in branch offices, and at remote sites. The Cisco Unified Wireless Network is the industry's most flexible, resilient, and scalable architecture, delivering secure access to mobility services and applications and offering the lowest total cost of ownership and investment protection by integrating seamlessly with the existing wired network.

### Frequency Band and 20-MHz Operating Channels

- A (A regulatory domain):
  - 2.412 to 2.462 GHz; 11 channels
  - 5.180 to 5.320 GHz; 8 channels
  - 5.500 to 5.700 GHz, 8 channels (excludes 5.600 to 5.640 GHz)
  - 5.745 to 5.825 GHz; 5 channels

For more information of this Cisco AIR-CAP3502I-A-K9, please visit Cisco website:

[https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-1250-series/data\\_sheet\\_c78-594630.html](https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-1250-series/data_sheet_c78-594630.html)

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