

Cisco AIR-CT5520-K9 Datasheet



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The Cisco 5520 Wireless Controller provides centralized control, management, and troubleshooting for high-scale deployments in service provider and large campus deployments. It offers flexibility to support multiple deployment modes in the same controller: for example, centralized mode for campus, Cisco FlexConnect™ mode for lean branches managed over the WAN, and mesh (bridge) mode for deployments where full Ethernet cabling is unavailable. As a component of the Cisco Unified Wireless Network, this controller provides real-time communications between Cisco Aironet® access points and Cisco Catalyst® access points, the Cisco Prime® Infrastructure, and the Cisco Mobility Services Engine, and is interoperable with other Cisco controllers.

The Cisco Digital Network Architecture (Cisco DNA) is an open and extensible, software-driven architecture that accelerates and simplifies your enterprise network operations. The programmable architecture frees your IT staff from time-consuming, repetitive network configuration tasks so they can focus instead on innovation that positively transforms your business. SD-Access, as part of Cisco DNA, enables policy-based automation from edge to cloud with foundational capabilities. Cisco DNA Assurance, also part of Cisco DNA, provides a single source to monitor, modify, and manage your network and application data.

Features and benefits

The Cisco 5520 Wireless Controller, optimized for 802.11ac Wave 2 performance, high scale, and enhanced system uptime, supports:

- Intent-driven programmability and streaming telemetry.
- Subsecond access point and client failover for uninterrupted application availability.
- Extraordinary visibility into application traffic, using Cisco Application Visibility and Control (AVC), the technology that includes the Network-Based Application Recognition 2 (NBAR2) engine, Cisco's Deep Packet Inspection (DPI) capability. This allows to mark, prioritize, and block to conserve network bandwidth and enhance security. Customers can optionally export the flows to Cisco Prime Infrastructure or a third-party NetFlow collector.
- Embedded wireless Bring-Your-Own-Device (BYOD) policy classification engine that allows classification of client devices and application of user group policies.
- Deployment of guest access and Bonjour and Chromecast services in centralized deployments.
- Software-defined segmentation with Cisco TrustSec® technology, reducing Access Control List (ACL) maintenance, complexity, and overhead.
- Integrated Cisco CleanAir® technology, providing the industry's only self-healing and self-optimizing wireless network.
- Simplified GUI wizard for quick setup and intuitive dashboards for monitoring and troubleshooting.
- Cisco DNA and SD-Access Wireless, as well as Cisco DNA Assurance.

Specifications

- Product Code: AIR-CT5520-K9
- Chassis Height: One rack-unit (1RU)
- Throughput: 20 Gbps
- AP Support: 1500 (with licenses)
- Client Support: 20000 (with licenses)
- Data Ports: 2 x SFP+
- Wireless standards: 802.11a/b/g/d/e/h/k/n/r/u/w/ac

- Power Options: 770W AC
- Dimension (D × W × H): 75.8 cm × 42.9 cm × 4.3 cm

For more information of this Cisco AIR-CT5520-K9, please visit Cisco website:

<https://www.cisco.com/c/en/us/products/collateral/wireless/5520-wireless-controller/datasheet-c78-734257.html>

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