

ARUBA AP-505 (RW) DUAL RADIO 2X2:2 802.11AX INTERNAL ANTENNAS UNIFIED CAMPUS AP (R2H28A)

WLAN Access Points



WHAT'S NEW

- Wi-Fi 6 for high performance and efficiency.
- Provides policy enforcement for wireless traffic through Dynamic Segmentation.
- IoT-ready with a built-in Bluetooth 5 and 802.15.4 radio that supports

OVERVIEW

The Aruba 500 Series Wireless Access Points provide high-performance connectivity to budget-conscious organizations experiencing growing numbers of mobile, IoT and mobility requirements. Supporting the latest Wi-Fi 6 standard, the 500 Series can achieve a maximum aggregate data rate of 1.77 Gbps (1.774 Gbps) for venues and workplaces such as schools,

Zigbee®.

- Supports up to 256 associated clients per radio.
- Can be deployed as a cloud-managed Instant AP or controller-based AP.

midsize offices, and retailers.

The Aruba 500 Series APs are also designed to provide improved user experiences by integrating key Wi-Fi optimization technologies for increased Wi-Fi efficiency and optimized client airtime.

FEATURES

Incredible Efficiency with Wi-Fi 6

The Aruba 500 Series Wireless Access Points support the Wi-Fi 6 standard, including features such as orthogonal frequency-division multiple access (OFDMA), bi-directional Multi-User MIMO (MU-MIMO), and Target Wait Time (TWT).

Patented RF optimization technologies like ClientMatch have also been enhanced with Wi-Fi 6 awareness to group Wi-Fi 6-capable client devices together for optimized network utilization.

The Aruba 500 Series also supports AirSlice, a unique capability that enhances OFDMA with SLA-grade application assurance from the access point to the client device.

Infrastructure Designed with Flexibility in Mind

The Aruba 500 Series Wireless Access Points can be deployed in either controller-less or controller-based mode, depending on enterprise requirements.

This product can be managed locally, in the cloud with Aruba Central, or through a converged multivendor on-premises solution with Aruba AirWave.

It also comes with Intelligent Power Monitoring to enable or disable AP features based on available PoE power from a network switch.

IoT Platform Capabilities

The Aruba 500 Series Wireless Access Points have the ability to support up to 256 associated clients per Wi-Fi radio – ideal for organizations deploying Wi-Fi connected IoT devices.

Supports Bluetooth 5 and Zigbee® wireless protocols through an integrated IoT radio, and third-party expansion with an integrated USB port.

Features improved client visibility with integrated device profiling, and the option for advanced insights when integrated with ClearPass Policy Manager or ClearPass Device Insight.

Technical specifications**Aruba AP-505 (RW) Dual Radio 2x2:2 802.11ax
Internal Antennas Unified Campus AP**

Product Number (SKU)	R2H28A
Differentiator	Aruba 500 Series Wireless Access Points provide high performance cost-effective connectivity for medium density indoor environments. Deployed as IoT platforms, support multiple wireless mediums such as Bluetooth, Zigbee®, and custom applications. Innovative features such as AirSlice and Wi-Fi 6-aware ClientMatch. Two integrated dual-band downtilt omni-directional antennas for 2x2 MIMO. This SKU is for rest-of-world countries not given a specific regulatory domain.
Ports	(1) 10/100/1000BASE-T
Mounting	Mounting bracket has been pre-installed on the back of the AP. This bracket is used to secure the AP to any of the mount kits (sold separately) see the 500 Series Ordering Guide for details.
Input voltage	IEEE 802.3af or 802.3at PoE, or direct DC power (via optional power supply)
Power Consumption	POE powered (802.3at): 11.0W / 16.5W. POE powered (802.3af): 11.0W / 13.5W. DC powered: 8.9W / 14.2W. Maximum (worst-case) power consumption (without / with a USB device attached).
Product Dimensions (metric)	37 x 160 x 161 mm
Weight	500 g

For additional technical information, available models and options, please reference the [QuickSpecs](#)

ARUBA GLOBAL SERVICES

Aruba Global Services simplifies and accelerates the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies or you want to offload some of the burden, we have the services you need to reach your goals.

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Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

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With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from Aruba technology.

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- Planning, audit and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

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- Intelligent Operations
- Customer Experience Management
- Network optimization

Our **Education Services** allow your team to come up to speed quickly.

Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba [here](#).

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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