



**Hewlett Packard**  
Enterprise

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

## WLAN Access Points



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### 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 Zigbee®.

### 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,

- 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**

<b>Product Number (SKU)</b>	R2H28A
<b>Differentiator</b>	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.
<b>Ports</b>	(1) 10/100/1000BASE-T
<b>Mounting</b>	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.
<b>Input voltage</b>	IEEE 802.3af or 802.3at PoE, or direct DC power (via optional power supply)
<b>Power Consumption</b>	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).
<b>Minimum dimensions (H x W x D)</b>	37 x 160 x 161 mm
<b>Weight</b>	500 g



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

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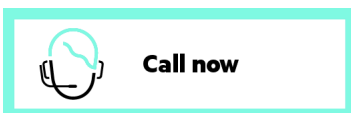
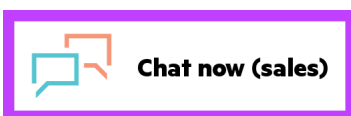
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