R3V46A Datasheet

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Overview

The Aruba 500H Series Hospitality Access Points provide high-performance wireless and wired connectivity for hospitality organizations experiencing growing numbers of mobile, IoT, and mobility requirements.

Quick Specs

Figure 1 shows the appearance of R3V46A.

Table 1 shows the Quick Specs.

Product Code	R3V46A
Ports	(1) HPE SmartRate RJ-45 port, auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX. 2.5 Gbps speed complies with NBASE-T and 802.3bz specifications (4) 10/100/1000BASE-T (RJ-45) ports, auto-sensing link speed and MDI/MDX
Input voltage	IEEE 802.3at Class 4 PoE, IEEE 802.3bt Class 6 PoE, or direct DC power (via optional power supply)
Power Consumption	50W max
Radio coverage	5GHz radio: Two spatial stream (SU/MU) MIMO for up to 1.2Gbps wireless data rate (HE80) 2.4GHz radio: Two spatial stream (SU/MU) MIMO for up to 287Mbps wireless data rate (HE20)
Product Dimensions (metric)	150 x 86 x 47 mm

Product Details

Figure 2 shows the front panel of R3V46A.

Figure 3 shows the back panel of R3V46A.

R3V46A provides these features:

Incredible Efficiency with Wi-Fi 6

The Aruba 500H Series Hospitality 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 500H Series also supports Air Slice, 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 500H Series Hospitality Access Points are purpose-built to deliver unified wired and wireless connectivity for the Aruba Edge Services Platform (Aruba ESP) and support flexible deployment options.
The 500H Series can be installed on a wall for hotel or residence hall environments, or installed with a desk stand for remote connectivity. Up to 4 Ethernet ports provide local wired access.
This product can be managed by Aruba Central, as well as with existing on-premises and local management options.

IoT Platform Capabilities

The Aruba 500H Series Hospitality 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.

The Accessories

Table 2 shows the accessories of R3V46A.

Mount Kit	
R3V58A	AP-500H-MNT1 Kit with Single-gang Wall-box Mount Adapter for 500H Series AP
Power Adaptor	
R3K01A	AP-AC2-48C 48V/50W AC/DC desktop style power adapter with 1.35/3.5mm connector

Compare to Similar Items

Table 3 shows the comparison of R3V46A.

Module	R3V46A	R7J27A
Ports	(1) HPE SmartRate RJ-45 port, auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX. 2.5 Gbps speed complies with NBASE-T and 802.3bz specifications (4) 10/100/1000BASE-T (RJ-45) ports, auto-sensing link speed and MDI/MDX	E0, E1: Two Ethernet wired network ports (RJ-45) Auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX 2.5Gbps speed complies with NBase-T and 802.3bz specifications POE-PD: 48Vdc (nominal) 802.3af/at/bt POE (class 3 or higher) 802.3az Energy Efficient Ethernet (EEE)
Input voltage	IEEE 802.3at Class 4 PoE, IEEE 802.3bt Class 6 PoE, or direct DC power (via optional power supply)	12 Vdc (+/- 5%) or 48 Vdc (nominal) POE

Power Consumption	50W max	23.8W worst case (POE powered), 20.7W worst case (DC). Excludes power needed to supply up to 5W to an attached USB device.
Radio coverage	5GHz radio: Two spatial stream (SU/MU) MIMO for up to 1.2Gbps wireless data rate (HE80) 2.4GHz radio: Two spatial stream (SU/MU) MIMO for up to 287Mbps wireless data rate (HE20)	Indoor, tri radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 2x2 MIMO
Product Dimensions (metric)	150 x 86 x 47 mm	220mm (W) x 220mm (D) x 50mm (H)

Get More Information

Do you have any question about the **R3V46A**?

Contact us now via **Live Chat** or **sales@router-switch.com**.

Specification

R3V46A Specification	
Ports	(1) HPE SmartRate RJ-45 port, auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX. 2.5 Gbps speed complies with NBASE-T and 802.3bz specifications (4) 10/100/1000BASE-T (RJ-45) ports, auto-sensing link speed and MDI/MDX
Mounting	Optional mounting kits: Using one of the (separate orderable) mount kits, the AP can be attached to a single or dual gang wall-box, directly to a wall, or desk mounted.
Input voltage	IEEE 802.3at Class 4 PoE, IEEE 802.3bt Class 6 PoE, or direct DC power (via optional power supply)
Power Consumption	50W max
Certifications	Wi-Fi Alliance Wi-Fi CERTIFIED™ a, b, g, n, ac Wi-Fi Alliance Wi-Fi CERTIFIED™ 6 (ax) Wi-Fi Alliance WPA, WPA2 and WPA3 – Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE) Wi-Fi Alliance WMM, WMM-PS, Wi-Fi Vantage, Wi-Fi Agile Multiband Wi-Fi Alliance Passpoint (release 2) Bluetooth SIG (AP-505H models only) Ethernet Alliance (POE, PD device, class 6)
Regulatory	FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU IEC/EN 60950 EN 60601-1-1, EN60601-1-2 IEC/EN 62368-1
Wi-Fi antenna	Two integrated semi-directional antennas for 2x2 MIMO with peak single antenna gain of 5.2dBi in 2.4GHz and 5.4dBi in 5GHz. Built-in antennas are optimized for vertical wall or desk mounted orientation of the AP. Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the combined, average pattern is 3.3dBi in 2.4GHz and 2.9dBi in 5GHz.
Radio coverage	5GHz radio: Two spatial stream (SU/MU) MIMO for up to 1.2Gbps wireless data rate (HE80) 2.4GHz radio: Two spatial stream (SU/MU) MIMO for up to 287Mbps wireless data rate (HE20)
Product Dimensions (metric)	150 x 86 x 47 mm

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