

HEWLETT PACKARD R7J28A

HP Aruba AP-635 (US) Campus AP User Manual

Model: R7J28A | Brand: HEWLETT PACKARD

1. INTRODUCTION

Welcome to the user manual for the HP Aruba AP-635 (US) Campus Access Point. This document provides essential information for the safe and effective installation, operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product.



This image displays the front view of the HP Aruba AP-635 (US) Campus Access Point. The device is circular and white, featuring the 'aruba' logo prominently in the center. Below the logo, there are several small indicator lights.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the device or injury to personnel:

- **Power Source:** Use only the power adapter or Power over Ethernet (PoE) source specified for this device. Ensure the voltage matches the device's requirements.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the device to prevent

overheating.

- **Environment:** Avoid exposing the device to extreme temperatures, humidity, dust, or direct sunlight.
- **Installation:** Installation should be performed by qualified personnel in accordance with local electrical codes and regulations.
- **Servicing:** Do not attempt to service this device yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HP Aruba AP-635 (US) Campus Access Point Unit
- Mounting Bracket (for ceiling or wall mount)
- Installation Guide / Quick Start Guide
- Regulatory and Safety Information Document

4. PRODUCT FEATURES

The HP Aruba AP-635 is a high-performance campus access point designed for demanding enterprise environments. Key features include:

- **High-Performance Wi-Fi:** Supports the latest Wi-Fi standards for fast and reliable wireless connectivity.
- **Dual-Band Operation:** Operates on both 2.4 GHz and 5 GHz frequencies to support a wide range of devices.
- **Enterprise-Grade Security:** Features advanced security protocols to protect your network and data.
- **Centralized Management:** Designed for integration with Aruba's network management solutions for simplified deployment and control.
- **Robust Design:** Built for durability and reliable operation in various indoor environments.

5. SETUP

5.1. Mounting the Access Point

1. **Choose a Location:** Select a central location free from obstructions for optimal Wi-Fi coverage. Consider ceiling or wall mounting.
2. **Attach Mounting Bracket:** Secure the provided mounting bracket to the desired surface using appropriate screws (not included).
3. **Secure the AP:** Align the AP with the bracket and twist to lock it into place.

5.2. Connecting Cables

1. **Ethernet Connection:** Connect an Ethernet cable from your network switch (preferably PoE-enabled) to the primary Ethernet port on the AP.
2. **Power Connection (if not using PoE):** If PoE is not available, connect a compatible power adapter (sold separately) to the DC power input on the AP and plug it into a power outlet.

5.3. Initial Configuration

Once powered on, the AP will boot up. Refer to the Aruba documentation for specific instructions on initial configuration, which typically involves:

- Connecting to the default SSID or accessing the device via its IP address.
- Setting up network parameters, SSIDs, and security settings.
- Integrating with your existing network infrastructure or Aruba Central.

6. OPERATING

6.1. LED Indicators

The AP-635 features LED indicators to provide status information:

LED Indicator	Status	Description
Power	Solid Green	Device is powered on and operating normally.
Power	Flashing Green	Device is booting up or performing a firmware upgrade.
Power	Off	Device is not receiving power.
Wi-Fi	Solid Green	Wireless radios are active and broadcasting.
Wi-Fi	Flashing Green	Wireless activity (data transmission).
Ethernet	Solid Green	Ethernet link is established.
Ethernet	Flashing Green	Ethernet data activity.

6.2. Network Connectivity

Once configured, the AP-635 will broadcast the configured Wi-Fi networks (SSIDs). Client devices can then connect to these networks using the appropriate security credentials.

6.3. Management Interface

The AP can be managed via a web-based graphical user interface (GUI) or through a centralized management platform like Aruba Central. Consult your network administrator or Aruba documentation for details on accessing and utilizing these management tools.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your AP-635:

- **Firmware Updates:** Periodically check for and apply the latest firmware updates from HP Aruba to ensure security and performance enhancements.
- **Cleaning:** Gently wipe the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Environmental Check:** Ensure the operating environment remains within specified temperature and humidity ranges.
- **Cable Integrity:** Periodically inspect all connected cables for damage or loose connections.

8. TROUBLESHOOTING

If you encounter issues with your AP-635, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Power (Power LED Off)	No power supply or faulty cable.	Check power adapter/PoE connection. Ensure outlet is functional.
No Wi-Fi Signal	Radios disabled, incorrect configuration, or interference.	Verify Wi-Fi settings in management interface. Check for strong interference sources.
Slow Network Performance	Network congestion, poor signal strength, or outdated firmware.	Reduce network load, optimize AP placement, update firmware.
Cannot Access Management Interface	Incorrect IP address, network connectivity issue, or firewall.	Verify AP's IP address. Check network cable. Temporarily disable client firewall.
Device Not Responding	Software crash or hardware issue.	Perform a power cycle (unplug and replug). If issue persists, contact support.

9. TECHNICAL SPECIFICATIONS

Detailed specifications for the HP Aruba AP-635 (US) Campus AP:

Attribute	Value
Brand	HP
Model Number	R7J28A
Item Weight	3.61 pounds
Product Dimensions (LxWxH)	9.5 x 9.5 x 9.8 inches
Color	White
Power Source	Corded Electric (PoE capable)
Voltage	220 Volts (typical input for power adapter, PoE voltage varies)
Manufacturer	hp
Date First Available	March 3, 2022

10. WARRANTY AND TECHNICAL SUPPORT

This HP Aruba AP-635 (US) Campus AP comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official HP Aruba website for detailed warranty terms and conditions.

For technical assistance, troubleshooting beyond this manual, or to report issues, please contact HP Aruba technical support. Support contact information can typically be found on the official HP Aruba website or in your product's documentation.

