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› Ruckus Wireless ZoneFlex 7372 Access Point User Manual (Model 901-7372-US00)

Ruckus Wireless 901-7372-US00

Ruckus Wireless ZoneFlex 7372 Access Point User Manual

Model: 901-7372-US00

1. PRODUCT OVERVIEW

The Ruckus ZoneFlex 7372 is a mid-range 802.11n dual-band (2.4GHz and 5GHz) concurrent access point designed for high-density environments. It supports bandwidth-intensive and latency-sensitive applications such as Voice and Video over Wi-Fi. This access point incorporates Ruckus' patented adaptive antennas with BeamFlex+ technology, which enhances wireless performance, signal gain, and reception by combining dynamic polarization diversity with adaptive antenna arrays and transmit beamforming.

The ZoneFlex 7372 is intended for use with Power over Ethernet (PoE) support. A power adapter or PoE injector is not included with the unit and must be supplied separately.



Figure 1: Front view of the Ruckus ZoneFlex 7372 Access Point, showing the Ruckus logo and a status indicator light.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Ruckus ZoneFlex 7372 Access Point (Model: 901-7372-US00)
- Mounting bracket (if applicable)
- Quick Start Guide

Note: A Power over Ethernet (PoE) injector or a PoE-capable switch is required for operation and is not included in the package.

3. SETUP AND INSTALLATION

Follow these steps to set up your ZoneFlex 7372 Access Point:

1. **Choose a Location:** Select a central location for optimal Wi-Fi coverage. Avoid placing the AP near large metal objects, concrete walls, or sources of electromagnetic interference (e.g., microwave ovens). The device can be mounted on a wall or ceiling.
2. **Power the Device:** The ZoneFlex 7372 is powered via Power over Ethernet (PoE). Connect an Ethernet cable from a PoE-capable switch or a PoE injector to the PoE port on the access point. The device will power on automatically.
3. **Network Connection:** Connect the Ethernet cable from your network (LAN) to the appropriate Ethernet port on the access point. Ensure the connection is secure.
4. **Initial Configuration:** Refer to the Quick Start Guide for initial network configuration steps, which typically involve connecting to the device's default Wi-Fi network or accessing its web interface via a wired connection.



Figure 2: Side view of the Ruckus ZoneFlex 7372 Access Point, highlighting the Ethernet and PoE ports for network and power connections.

IN-ROOM DEPLOYMENT FOR HOTELS

The ZoneFlex 7372 is ideal for deployment in hotel guest rooms to provide wireless connection to high quality video and data access, as well as wired connections to IP phone and guest devices.

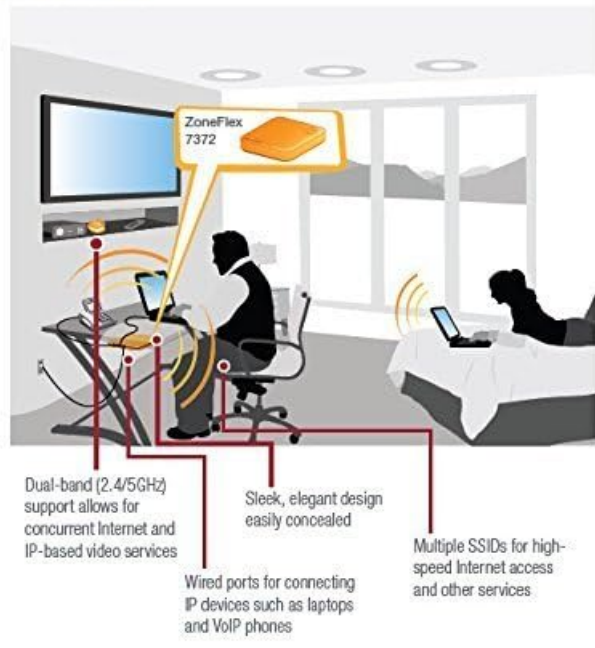


Figure 3: Example deployment scenario for the ZoneFlex 7372, illustrating its use in a hotel room to provide wireless and wired connectivity for various devices.

4. OPERATING INSTRUCTIONS

Once the ZoneFlex 7372 is powered on and configured, it will broadcast Wi-Fi networks (SSIDs) as defined during setup. Client devices can then connect to these networks.

- **Dual-Band Operation:** The AP operates on both 2.4GHz and 5GHz frequencies, allowing for flexible client connectivity and optimized performance. The 5GHz band typically offers higher speeds and less interference, while 2.4GHz provides broader coverage.
- **BeamFlex+ Technology:** The integrated BeamFlex+ adaptive antenna technology automatically steers Wi-Fi signals to client devices, improving signal strength, reducing interference, and extending coverage. This results in more reliable connections and higher throughput.
- **Client Capacity:** The ZoneFlex 7372 is designed to support a high number of concurrent clients, making it suitable for environments with many mobile devices.
- **Wired Connectivity:** The AP also provides wired Ethernet ports for connecting devices such as IP phones or computers directly, offering stable and high-speed network access.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your access point:

- **Firmware Updates:** Periodically check the Ruckus Wireless support website for firmware updates. Keeping the firmware current ensures access to the latest features, security patches, and performance improvements.
- **Physical Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Ensure the access point is operating within its specified temperature and humidity ranges. Avoid exposing it to direct sunlight, excessive heat, or moisture.

- **Network Monitoring:** Monitor your network for any unusual activity or performance degradation. This can help identify potential issues early.

6. TROUBLESHOOTING

If you encounter issues with your ZoneFlex 7372, consider the following troubleshooting steps:

- **No Power:**
 - Verify that the Ethernet cable is securely connected to a PoE-capable switch or PoE injector.
 - Ensure the PoE source is active and providing power.
- **No Network Connectivity:**
 - Check all Ethernet cable connections between the AP, switch, and router.
 - Confirm that your network infrastructure (switch, router) is functioning correctly.
 - Verify the AP's network configuration (IP address, gateway, DNS).
- **Poor Wi-Fi Performance:**
 - Relocate the AP to a more central position, away from obstructions or interference sources.
 - Check for overlapping Wi-Fi channels with neighboring networks and adjust if necessary.
 - Ensure client devices are within optimal range.
 - Confirm that the AP's firmware is up to date.
- **Cannot Access Web Interface:**
 - Ensure your computer is on the same network segment as the AP.
 - Verify the AP's IP address. If unknown, you may need to reset the device to factory defaults (refer to the Quick Start Guide for reset procedures).

7. SPECIFICATIONS

Key technical specifications for the Ruckus ZoneFlex 7372 Access Point:

Feature	Description
Model Number	901-7372-US00
Wireless Standard	802.11n
Frequency Bands	Dual-band (2.4GHz and 5GHz) concurrent
Antenna Technology	BeamFlex+ adaptive antennas with polarization diversity
Throughput	Up to 300 Mbps user throughput
Antenna Patterns	128 unique antenna patterns per band
Range & Coverage	Up to 4 times extended range and coverage
Client Capacity	Capable of supporting over 500 clients per AP
Power Input	Power over Ethernet (PoE) - power supply not included

Feature	Description
Ethernet Ports	One 10/100 Mbps and one 802.3af PoE 10/100/1000 Mbps Ethernet port
Product Dimensions	6.2 x 1.57 x 6.2 inches
Item Weight	12.3 ounces
Manufacturer	RUCKUS WIRELESS
First Available	July 19, 2013

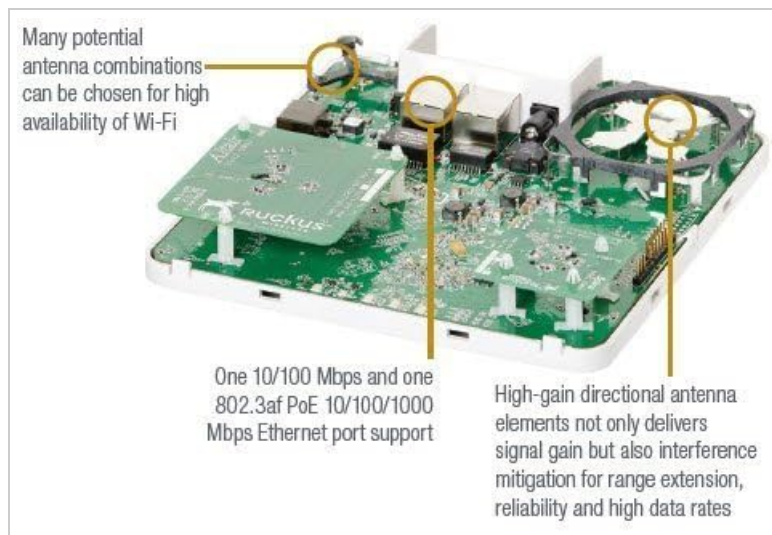


Figure 4: Internal view of the ZoneFlex 7372, illustrating the circuit board, antenna elements, and Ethernet port capabilities, including PoE support.

8. WARRANTY INFORMATION

For detailed warranty information regarding your Ruckus Wireless ZoneFlex 7372 Access Point, please refer to the warranty card included with your product or visit the official Ruckus Wireless website. Warranty terms and conditions may vary based on region and reseller.

9. TECHNICAL SUPPORT

If you require technical assistance or have questions not covered in this manual, please contact Ruckus Wireless support through their official website. You may find resources such as FAQs, knowledge bases, and contact information for technical support.

Ruckus Wireless Official Website: <https://www.ruckusnetworks.com/support/>