

COMFAST CF-EW74

COMFAST AC1200 Outdoor Wireless WiFi Repeater/AP/Router User Manual

Model: CF-EW74 | Brand: COMFAST

INTRODUCTION

The COMFAST AC1200 High Power Outdoor Wi-Fi Repeater is designed to provide extensive wireless coverage for large outdoor areas. This versatile device functions as a Wi-Fi Repeater, Access Point (AP), and Router, offering robust dual-band connectivity at 2.4 GHz and 5.8 GHz with combined speeds up to 1200 Mbps. Its high-performance, waterproof design and Power over Ethernet (PoE) support make it ideal for various outdoor networking applications, including extending Wi-Fi to villages, farms, or remote base stations.



Image: The COMFAST AC1200 Outdoor Wireless AP, a white cylindrical device with two external antennas and LED indicators.

PACKAGE CONTENTS

Upon opening the retail packaging, please verify that all the following components are included:

- 1 x AP Main Body (COMFAST CF-EW74)
- 1 x 24V PoE AC Adapter
- 1 x Fixing Buckle (for mounting)
- 1 x User Manual
- 1 x Warranty Card

Seamless roaming, auto-switch



Outdoor AP supports seamless roaming, centralize-controlled by AC.
Swiftly switch to the nearest Comfast AP to you

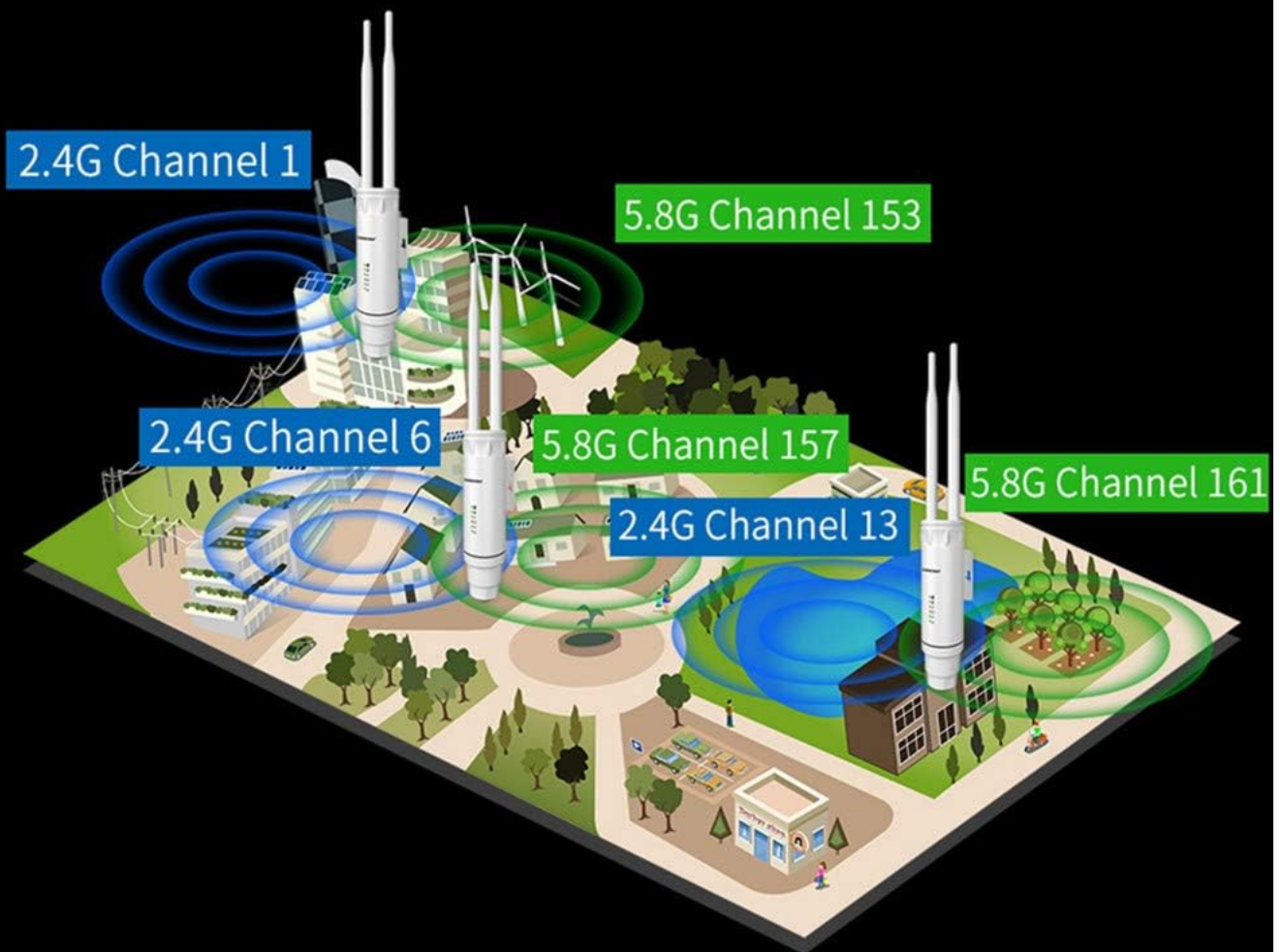


Image: A detailed view of the COMFAST AC1200 product and its accessories, including the main unit, PoE adapter, mounting hardware, and documentation.

KEY FEATURES

The COMFAST AC1200 Outdoor Wireless AP offers a range of features designed for robust and reliable outdoor wireless connectivity:

- **High Power Output:** Designed for long-distance wireless networking and CPE applications, suitable for business offices and homes with outdoor network requirements.
- **Dual-Band AC1200 Performance:** Supports 802.11AC Wi-Fi technology, operating on both 2.4 GHz (300 Mbps) and 5 GHz (867 Mbps) bands for a total of up to 1200 Mbps.
- **Integrated High-Power Amplifiers:** Features internal Power Amplifiers (PA) to boost signal strength and Low Noise Amplifiers (LNA) to minimize noise, enhancing Tx & Rx capabilities.
- **Omnidirectional Antennas:** Equipped with two external 5dBi omnidirectional antennas providing 360-degree coverage, extending range up to 100-200 meters depending on the environment.
- **Flexible Deployment with PoE:** Supports Power over Ethernet (PoE) via RJ45, allowing for power and data transmission over a single cable up to 100 meters, simplifying outdoor installation.
- **Waterproof Design:** High-performance waterproof casing ensures durability and reliable operation in various outdoor weather conditions.
- **Seamless Roaming:** Supports seamless roaming for uninterrupted connectivity across multiple APs, centrally controlled for optimal performance.

COMFAST

1200Mbps

Dual-band high power outdoor AP

Wide coverage true broadness

MODEL:CF-EW74

COMFAST



Image: An infographic highlighting the core features of the COMFAST AC1200, such as high speed, powerful processing, and robust outdoor capabilities.

Physical Installation

The COMFAST AC1200 is designed for outdoor deployment. It can be mounted on a pole or wall using the provided fixing buckle. Choose a location that offers clear line-of-sight to the areas requiring Wi-Fi coverage and is protected from direct impact or extreme weather conditions.



Image: The front view of the COMFAST AC1200 device, illustrating its design and potential mounting points.

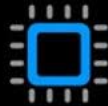
Power over Ethernet (PoE) Connection

The device is powered using the included 24V PoE adapter. Connect an Ethernet cable from the LAN port of the PoE adapter to the Ethernet port on the COMFAST AP. Then, connect another Ethernet cable from your router or network switch to the PoE port of the adapter. This setup allows both power and data to be transmitted over a single Ethernet cable, simplifying outdoor wiring.

Comfast helps you get rid of those issues



1200Mbps



Powerful
dual core



High power



Waterproof



64
concurrent users



Load balance



Online
management



Seamless
roaming



Smart
traffic control

Image: A schematic demonstrating how the COMFAST AP connects to a network using PoE, showing the router, AC controller, switch, and multiple APs.

Initial Configuration

After physical installation and power connection, you will need to configure the device via its web-based management interface. Typically, you connect a computer directly to the PoE adapter's LAN port or to the same network segment as the AP. Refer to the included user manual for the default IP address, username, and password to access the web interface. From there, you can select the desired operating mode (Repeater, AP, or Router) and configure network settings such as SSID, security, and IP address.

OPERATING MODES

The COMFAST AC1200 supports multiple operating modes to suit various networking needs:

Repeater Mode

In Repeater mode, the device extends the range of an existing wireless network. It receives the Wi-Fi signal from your main router and re-broadcasts it, effectively expanding the coverage area. This is ideal for eliminating Wi-Fi dead zones in large outdoor spaces.

Access Point (AP) Mode

As an Access Point, the device connects to a wired network (e.g., via an Ethernet cable from your router) and broadcasts a new wireless network. This mode is suitable for adding Wi-Fi capability to a wired network or creating a new Wi-Fi hotspot in an outdoor location.

Router Mode

In Router mode, the device acts as a primary network device, connecting directly to an internet source (e.g., a modem) and providing both wired and wireless connectivity to multiple devices. This mode is typically used when the device is the main point of internet access for a network.



Image: A visual representation of the COMFAST AC1200 providing wide Wi-Fi coverage around a building, emphasizing its dual-band and omnidirectional antenna capabilities.

To ensure optimal performance and longevity of your COMFAST AC1200 Outdoor Wireless AP, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the exterior of the device to remove dust, dirt, and debris. Use a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Firmware Updates:** Check the COMFAST official website regularly for firmware updates. Keeping the firmware updated ensures the device has the latest features, security patches, and performance improvements.
- **Environmental Checks:** Ensure the mounting location remains secure and free from obstructions. Verify that cables are not damaged and connections are secure.
- **Power Cycle:** If you experience minor performance issues, try power cycling the device by disconnecting and reconnecting the PoE adapter.

TROUBLESHOOTING

If you encounter issues with your COMFAST AC1200, refer to the following common troubleshooting steps:

- **No Power/LEDs Off:** Ensure the PoE adapter is properly connected to a power outlet and the Ethernet cable from the adapter is securely plugged into the AP. Check the power source.
- **No Wi-Fi Signal:** Verify that the device is powered on and configured correctly in the desired operating mode (Repeater, AP, Router). Check the SSID broadcast settings in the web interface.
- **Slow Connection Speed:** Ensure the device is placed in an optimal location with minimal interference. Check for other devices operating on the same Wi-Fi channels and consider changing channels. Verify your internet connection speed from the source.
- **Cannot Access Web Interface:** Confirm your computer's IP address is on the same subnet as the AP's default IP (e.g., if AP is 192.168.1.1, set your computer to 192.168.1.X). Try resetting the device to factory defaults (refer to the manual for reset instructions).
- **Intermittent Connectivity:** Check for physical obstructions or sources of interference. Ensure the firmware is up to date.

TECHNICAL SPECIFICATIONS

Attribute	Value
Brand	COMFAST
Model Number	CF-EW74
Wireless Standard	802.11ac
Data Transfer Rate	1200 Megabits per second (300Mbps 2.4G + 867Mbps 5.8G)
Frequency Band Class	Dual Band (2.4 GHz, 5.8 GHz)
Special Feature	Long Range, Wireless

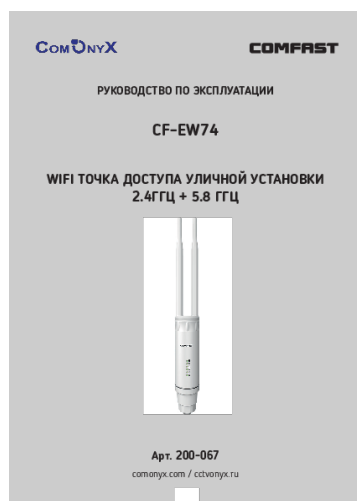
Attribute	Value
Connectivity Technology	Wi-Fi, Ethernet (PoE)
Compatible Devices	Tablets, various network devices
Item Weight	540 grams
Product Dimensions	23.7 x 15.2 x 6 cm
Power Supply	24V PoE AC Adapter

WARRANTY AND SUPPORT

The COMFAST AC1200 Outdoor Wireless AP comes with a warranty card included in the package. Please refer to the warranty card for specific terms and conditions regarding coverage and duration. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact COMFAST customer service through the contact information provided in your product documentation or on the official COMFAST website.

It is recommended to retain your proof of purchase for warranty purposes.

Documents - COMFAST – CF-EW74



[\[pdf\]](#) User Manual

CF EW74 ОПИСАНИЕ И НАЗНАЧЕНИЕ WiFi Точка доступа COMFAST предназначена для построения сетей Устройство поддерживает проводное интернет соединение по 12021893 manual cdn vseinstrumenti ru instruction nomenclaturecontent 202312 31514347 |||

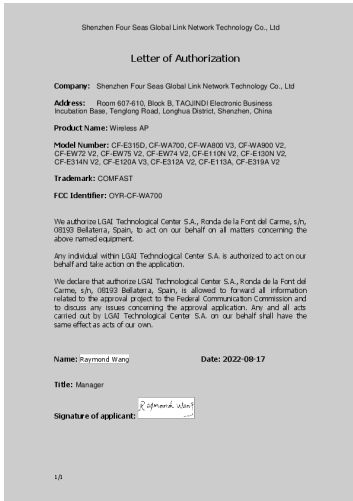
CF-EW74 WIFI 2.4 5.8 . 200-067 comonyx.com / cctvonyx.ru 1 WiFi COMFAST **CF-EW74** WiFi-. - WAN IP- Wi-Fi LAN LAN **CF-EW74** MT7628DAN MT7612E 2.4GHz SKY85330, 5.8GHz SKY85735; 64MB 8MB 2.4GHz 2.412GHz-2.484GHz ... lang:tl **score:59** filesize: 660.98 K page_count: 4 document date: 2023-08-21



[COMFAST Outdoor AP Quick Installation Guide](#)

A quick installation guide for the COMFAST Outdoor AP (Model CF-EW74), detailing cable installation, device connection, and configuration for AP, Bridge, Router, and Repeater modes.

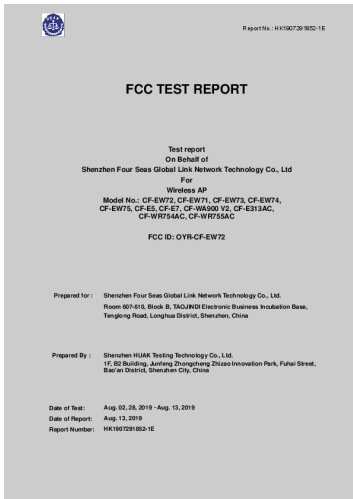
lang:tl score:28 filesize: 1.21 M page_count: 9 document date: 2020-12-30



[Letter of Authorization for COMFAST Wireless AP by Shenzhen Four Seas Global Link Network Technology Co., Ltd](#)

This document is a Letter of Authorization from Shenzhen Four Seas Global Link Network Technology Co., Ltd. authorizing LGAI Technological Center S.A. to act on their behalf for the approval of their COMFAST Wireless AP products, including models CF-E315D, CF-WA700, and others.

lang:en score:23 filesize: 117.55 K page_count: 1 document date: 2022-08-17

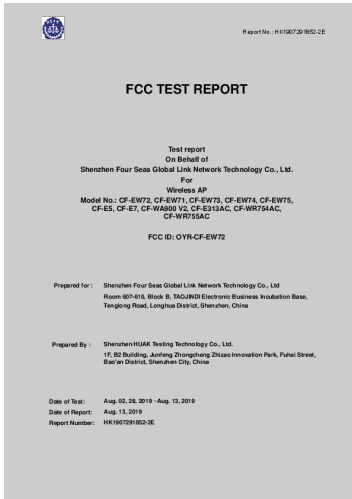


[\[pdf\] Test Report](#)

Microsoft Word FCC ID 15 247 Test Report 2 4G WiFi Administrator reports Shenzhen Four Seas Global Link Network Technology Co Ltd CF EW72 Wireless AP OYR OYRCFEW72 cf ew72

Report No.: HK1907291852-1E FCC TEST REPORT Test report On Behalf of Shenzhen Four Seas Global Link Network Technology Co., Ltd For Wireless AP Model No.: CF-EW72, CF-EW71, CF-EW73, **CF-EW74**, CF-EW75, CF-E5, CF-E7, CF-WA900 V2, CF-E313AC, CF-WR754AC, CF-WR755AC FCC ID: OYR-CF-EW72 Prepared for : ...

lang:en score:16 filesize: 4.77 M page_count: 79 document date: 2019-08-26



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Microsoft Word FCC ID 15 407 Test Report 5 2GWiFi Administrator reports Shenzhen Four Seas Global Link Network Technology Co Ltd CF EW72 Wireless AP OYR OYRCFEW72 cf ew72

Report No.: HK1907291852-2E FCC TEST REPORT Test report On Behalf of Shenzhen Four Seas Global Link Network Technology Co., Ltd. For Wireless AP Model No.: CF-EW72, CF-EW71, CF-EW73, **CF-EW74**, CF-EW75, CF-E5, CF-E7, CF-WA900 V2, CF-E313AC, CF-WR754AC, CF-WR755AC FCC ID: OYR-CF-EW72 Prepared for : ...

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Report No.: HK1907291852-3E

FCC TEST REPORT

Test report
On Behalf of
Shenzhen Four Seas Global Link Network Technology Co., Ltd.
For
Wireless AP
Model No.: CF-EW72, CF-EW71, CF-EW73, CF-EW74, CF-EW75,
CF-E5, CF-E7, CF-WA900 V2, CF-E313AC, CF-WR754AC,
CF-WR755AC
FCC ID: OYR-CF-EW72

Prepared for : Shenzhen Four Seas Global Link Network Technology Co., Ltd.
Room 801-815, Block B, TAGANG Electronic Business Incubation Base,
Tanggang Road, Longhua District, Shenzhen, China

Prepared By : Shenzhen WJMK Testing Technology Co., Ltd.
1/F, B2 Building, Jiantang Zhongcheng Zhixiao Innovation Park, Futai Street,
Bao'an District, Shenzhen City, China

Date of Test: Aug. 06, 2019 - Aug. 12, 2019
Date of Report: Aug. 13, 2019
Report Number: HK1907291852-3E

[\[pdf\]](#) Test Report

Microsoft Word FCC ID 15 407 Test Report 5 8WiFi Administrator reports Shenzhen Four Seas Global Link Network Technology Co Ltd CF EW72 Wireless AP OYR OYRCFEW72 cf ew72

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