



FR-WR30210ACUHP-C AC1300 Wireless Dual Band Gigabit Router

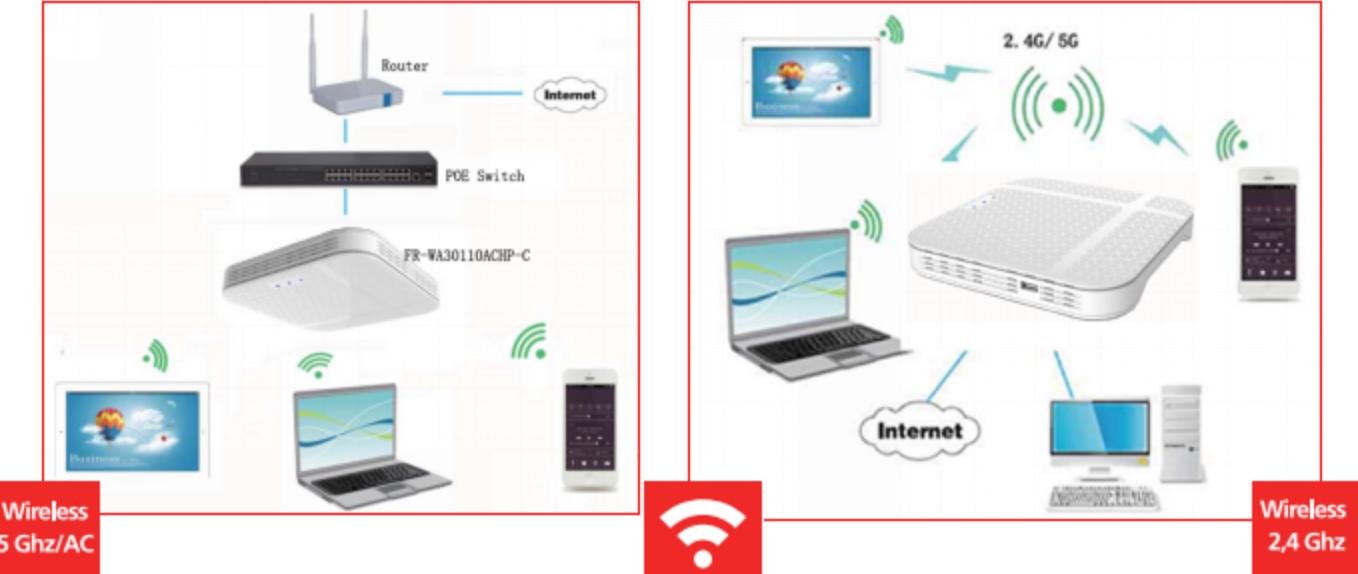
Main Features

- 2.4G&5G Dual Band 1.3Gbps High Power Wireless Router
- Support ceiling type installation design
- Support IEEE802.3at POE power supply function
- Built-in 2.4G、5G high power wireless signal amplifier , meet the remote transmission and large area coverage
- Supports remote Web management and software upgrades

Description

The FR-WR30210ACUHP-C High Power Wireless Router is based on 802.11ac standard, providing up to 1.3Gbps wireless data transmission rate. Built-in high power wireless signal amplifier . Providing remote transmission and full coverage and have strong signal penetration, the ceiling type installation design, can provide the wireless rate up to 1.3Gbps which is three times than the general WiFi. Dual band concurrency technology to avoid interference. Both have power amplifier so can provide faster download speeds, more smooth video enjoy and online gaming experience to end users. Integrated router, Wi-Fi access point, 2 ports gigabit switch and fire wall functions in one. Provide convenient and comprehensive network management functions, supports URL filtering, MAC address filtering and the QoS bandwidth control function, can effectively allocate the client's download rate. Supports wireless data encryption, and can guarantee the security of data transmission in wireless network.

Application topology



● AC1300 Wireless Dual Band Gigabit Router

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I Features

- Two 10/100/1000M LAN ports & one 10/100/1000M WAN port;
- Support IEEE802.3at POE power supply function;
- Support ceiling type installation design;
- Support 2.4/5G dual-band complicating so fast and more clients can access in;
- Support the standard of IEEE802.11a/b/g/n/ac;
- support up to 1.3Gbps wireless transmission rate, with the rate adaptive feature that automatically adjust the wireless transmission rate;
- Built-in omni-directional antenna, effectively improve the quality of the wireless signal .
- Automatically select the best channel, can effectively avoid the co-channel interference and improve network stability;
- Provide a variety of measures to ensure network security, such as 64/128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK encryption and security mechanism;
- MAC address-based access control can effectively control access rights, support local and remote Web management.

I Hardware Specification

Model	FR-WR30210ACUHP-C
Chipset	QCA9563+AR9882+ QCA8337
Standards	IEEE802.11n IEEE802.11a IEEE802.11g IEEE802.11b IEEE802.11ac IEEE802.3 IEEE802.3u IEEE802.3ab IEEE802.3at
Interface Type	1xWAN:RJ45, 10/100/1000M Base-T Interface, Auto MDI/MDI-X support, Support IEEE802.3at POE power supply function; 2xLAN:RJ45, 10/100/1000M Base-T Interface, Auto MDI/MDI-X support 1x Power DC Jack 1x Reset Button 1x USB
Flash Memory	16M Bytes SPI Flash
DDR Memory	128MBytes DDR2
Operating Frequency	2.4~2.48GHz , 5~5.825GHz

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Center Frequency error	$\leq \pm 20$ ppm
Transmission Rate	802.11n: up to 450Mbps 802.11ac: up to 867Mbps
Modulation	IEEE 802.11b: CCK, QPSK, BPSK IEEE 11g/a: OFDM IEEE 11n: QPSK, BPSK, 16-QAM, 64-QAM IEEE 11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Transmission power	2.4GHz: 802.11b(11Mbps): 24 ± 1 dBm 802.11g(54Mbps): 24 ± 2 dBm 802.11n(MCS7): 24 ± 2 dBm 5GHz: 802.11a(54Mbps): 20 ± 2 dBm 802.11n(MCS7): 20 ± 2 dBm 802.11ac(MCS9): 17 ± 2 dBm
Receiver sensitivity	2.4GHz: 802.11b (11Mbps): -90dBm 802.11g (54Mbps): -75dBm 802.11n 20M (MCS7): -72dBm 802.11n 40M (MCS7): -70dBm 5GHz: 802.11a (54Mbps): -72dBm 802.11n 20M (MCS7): -70dBm 802.11n 40M (MCS7): -68dBm 802.11ac 80M (MCS9): -56dBm
Antenna	2.4G: 3 piece of built-in 3dBi antenna 5G: 2 piece of built-in 3dBi antenna
Indicator	5G WLAN LED, Power LED, 2.4G WLAN LED
Housing	Plastic (180*180*25.5mm)
Power supply	IEEE802.3at standard POE or DC 12V/1.5A EPS
Environment	Operating Temperature: -0°C - 40°C Storage Temperature: -40°C - 70°C Operating Humidity: 10% - 90% RH non-condensing Storage humidity: 5% - 90% RH non-condensing



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I Soft Specification

Practical function <ul style="list-style-type: none"> ● DDNS ● Wireless relay ● Quick Setup 	Network Settings <ul style="list-style-type: none"> ● WAN connection types supported: PPPoE、DHCP、Static IP、PPtP、L2TP ● MAC Clone ● Diagnostics ● Static Router 	System configuration <ul style="list-style-type: none"> ● Software upgrade ● Save&reload settings ● System log ● NTP server ● Language & Style
Security Settings <ul style="list-style-type: none"> ● WEB management ● Remote WEB management ● SSH access ● Telnet 	DHCP Settings <ul style="list-style-type: none"> ● DHCP Server ● DHCP Client ● The client list ● Static IP 	Firewall <ul style="list-style-type: none"> ● DMZ ● Port Forward ● Port/URL/MAC filter
Wireless basic function <ul style="list-style-type: none"> ● Wireless enable/disable ● Be consistent with 802.11ac/b/g/n wireless protocol ● WDS ● WPS ● Mutilple SSID 	Wireless Security <ul style="list-style-type: none"> ● 64/128-bit WEP Encryption ● WPA/WPA2、WPA-PSK/WPA2-PSKK 	

