



**AX1800 Wireless Dual Band Gigabit PoE Ceiling Mount Access Point
FR-WR3028AXHP-C**

Major features

- Support 802.11ax
- High speed data rate up to 1800Mbps
- Provide one Up-load Gigabit LAN and two Down-load Gigabit LAN
- Support IEEE802.3at PoE power supply function
- Support ceiling mounting

Description

FR-WR3028AXHP-C supports IEEE802.11ax standard and is downward compatible with IEEE802.11ac/n/g/b/a, providing wireless data transmission rate up to 1.8Gbps, with the characteristics of fast speed, low delay, large capacity, more security and more power saving. Compared with the previous generation of Wi-Fi, the connection rate and the total network capacity are greatly improved. Network delay, channel interference is reduced, data transmission efficiency and connection security are improved. In today's high-density, high congestion network environment, game delay is lower, 4K video experience is smoother, more suitable for a large number of smart home devices access. And support ceiling mounted design, very suitable for enterprises, hotels, airports, schools and other indoor or public places to achieve high-speed network coverage. At the same time, the product supports 802.3at standard power supply, which enables the AP to be installed even without AC power supply, reduces the installation cost, makes the installation and use more concise, convenient and flexible, and improves the traditional network layout.

Application of topology



Features

- Provide a 10 / 100 / 1000Mbps RJ45 up-load LAN port and two 10 / 100 / 1000Mbps RJ45 down-load LAN port
- Support IEEE802.3at standard PoE power supply (PD) power supply;
- 2.4G & 5g dual frequency concurrent, faster speed, more access to clients;
- Support IEEE802.11a/b/g/n/ac/ax wireless standard;
- Multiple wireless anti-interference design to ensure signal quality;
- Support wireless transmission rate up to 1.8gbps, with rate adaptive function, which can automatically adjust the wireless transmission rate;
- Built in omnidirectional antenna, effectively improve the quality of wireless signal in the coverage area;
- The transmitting power can be adjusted linearly to adapt to different environments;
- Support SSID broadcast control to effectively prevent SSID broadcast from leaking secrets;
- Provide 64 / 128 bit WEP, WPA / WPA2 / WPA3, wpa-psk / wpa2-psk and other encryption and security mechanisms to ensure network security;
- Access control based on MAC address can effectively control access rights and support local and remote web management.

Hardware Specification

Model Name		FR-WR3028AXHP-C
Chipset		IPQ6000+QCN5052+QCN5022+QCA8075
CPU Frequency		1.2GHz
RAM capacity		256MByte(DDR3)
ROM capacity		32MByte(SPI flash)
Standards and Protocols	Wireless	5GHz:IEEE 802.11ax,IEEE 802.11ac,IEEE 802.11n,IEEE 802.11a 2.4GHz:IEEE 802.11ax,IEEE 802.11ac,IEEE 802.11n,IEEE 802.11g,IEEE 802.11b
	Wired	IEEE802.3i,IEEE802.3u,IEEE802.3ab
Operating Frequency		2.4GHz & 5GHz
Signal Rate		2.4GHz: Up to 573.5Mbps 5GHz: Up to 1201Mbps
Modulation		IEEE 802.11b:CCK, QPSK, BPSK IEEE11g/a:OFDM IEEE11n:QPSK, BPSK, 16-QAM, 64-QAM IEEE11ac:BPSK, QPSK, 16QAM, 64QAM, 256QAM IEEE11ax:BPSK, QPSK, 16QAM, 64QAM, 256QAM, 256QAM
Transmit Power		2.4GHz: ≤ 21dBm 5GHz: ≤ 20dBm
Indicators		SYS,2.4G WIFI,5G WIFI
Interfaces		1* 10/100/1000Mbps Up-load LAN Port(RJ45), 2* 10/100/1000Mbps Down-load LAN Port(RJ45)
Button		1*Reset
Antenna		2* single band 2.4G 4dBi omni directional antennas, 2* single band 5G 4dBi omni directional antennas
Power Supply		Support IEEE 802.at standard PoE or DC 12V/1.5A
Dimensions (W x D x H)		180X180X25.5mm
Environment		Operating Temperature: 0°C~40°C Storage Temperature:-40°C~70°C Operating Humidity:10%~90% non-condensing Storage Humidity:5%~95% non-condensing



Software Specification

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

