FR-WA3028ACP-C

AC1300 Wireless High Power Dual Band Gigabit PoE Ceiling Mount Access Point

Main Features

- **Wave2 MU-MIMO wireless technology Connect more faster**

- **2.4G&5G Dual Band 1.3Gbps High Power Wireless ceiling AP**

- **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 64/128-bit WEP encryption and WPA-PSK, WPA2-PSK security**

- **Supports remote Web management and software upgrades**

▌Description

The FR-WA3028ACP-C is a high power wireless Ceiling AP Based on 802.11ac standard, providing up to 1.3Gbps wireless data trans-mission rate. Built-in high power wireless signal amplifier. Providing remote transmission and full coverage and have strong signal penetration, the ceiling type installation design, this would be suitable for enterprises, hotels, airports, schools and other public places of indoor to achieve high-speed network coverage. At the same time the product support Ethernet PoE power and external power ad-apter, support the 802.3at standard power supply, so that the AP can also be installed in places without power supply, reduce cost of installation, it is more convenient to installation and use, flexible network installation design , improved the traditional design.

▌Application topology

● AC1300 Wireless High Power Dual Band Gigabit PoE Ceiling Mount Access Point   FR-WA3028ACP-C

▌Features

- ●Wave2 MU-MIMO wireless technology Connect more faster
- ●Ceiling mount, with the standard of 802.3at PoE power supply, comfortable for network setup
- ●One 10/100/1000Mbps WAN port ,Two 10/100/1000Mbps LAN port
- ●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
- ●AP transmit power linearly can be adjusted to different environments
- ●Support up to 1.3Gbps wireless transmission rate, with the rate adaptive feature that automatically adjust the wireless transmission rate
- ●Built-in 3dBi 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

▌Specification

Model		FR-WA3028ACP-C
Chipset		IPQ4018+QCA8075
Flash Memory		2MBytes SPI Flash+128MBytes NAND Flash
DDR Memory		256MBytes DDR3
Standards and Protocols	Wireless	5GHz:IEEE802.11ac,IEEE802.11n,IEEE802.11a 2.4GHz: IEEE 802.11n,IEEE 802.11g,IEEE 802.11b
	Wired	IEEE802.3i,IEEE802.3u,IEEE802.3ab
Interface Type		1xWAN: RJ45,10/100/1000M Base-T Interface, support 802.3at PoE input; Auto MDI/MDI-X 2xLAN: RJ45,10/100/1000M Base-T Interface, Auto MDI/MDI-X 1x Power DC Jack 1x Reset Button
Operating Frequency		2.4~2.48GHz，5~5.825GHz

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Transmission Rate	802.11n: up to 400Mbps 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:＜26dBi 5GHz:＜23dBi
Antenna	2.4GHz: 2 piece of built-in 3dBi antenna 5GHz: 2 piece of built-in 3dBi antenna
Indicator	2.4G WLAN LED , Power LED ,5G WLAN LED,
Housing	Plastic Ceiling(180*180*25.5mm)
Power supply	IEEE802.3at standard PoE or DC 12V/1.5A ESP
Environment	Operating Temperature: -0℃ -40℃ Storage Temperature: -40℃ - 70℃ Operating Humidity： 10% - 90% RH non-condensing Storage humidity： 5% - 90% RH non-condensing

● **AC1300双频无线高功率千兆PoE吸顶AP**　　　　**FR-WA3028ACP-C**

Soft Specification

Practical function	Network Settings	System configuration
● QoS ● DDNS ● The TFTP server ● UPNP ● Scheduled tasks ● Access control ● WPS ● Wireless relay	● WAN connection types supported: PPPoE、DHCP、Static IP、PPtP、L2TP ● The MAC address clone and modify ● Static routing and routing table ● Diagnostics ● Hostname	● Software upgrade ● Save&reload settings ● System log ● NTP server ● Language & Style ● SSH access
Security Settings ● Administrator ● LAN WEB management ● Remote WEB management	**DHCP Settings** ● DHCP Server ● DHCP Client ● The client list ● Static IP	**Firewall** ● DMZ ● Port Forward
Wireless basic function ● 5G&2.4G Dual Band ● Disable Wireless LAN Interface ● SSID Broadcast ● 2.4GHz Band: 802.11b only、802.11g only、802.11g/n mixed ● WDS ● Mutilple SSID ● Country code	**Wireless Security** ● 64/128-bit WEP encryption and WPA-PSK, WPA2-PSK	

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