



**AirPro AP-WAC2100,
1200Mbps 11ac High Power Ceiling Mount AP**

AP-WAC2100

What does this product do?

AP-WAC2100 is an 11ac Wi-Fi standard Realtek Chipset high power Ceiling Wireless Access Point support 11ac combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz (900Mbps), Gigabit WAN port, make more wireless users can access into it. It is an economic option for hotels, schools, restaurants, or other enterprise places.

Quick Overview

- Comply with IEEE 802.11ac/b/g/n, dual-band,
- 1200Mbps Data Rate, 2x2 MIMO Technology.
- 1*100Mbps WAN Port, 1*100Mbps LAN Port, faster Ethernet.
- Support active IEEE 802.3af 48V PoE standard.
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz).
- Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode in FAT AP.
- With the function of the built-in firewall, IP filter, URL filter, and MAC filter.
- Comply with IEEE 802.3az standard, RF power adjustment, and frequency analyzer for better application in different environments.

Key Features

FIT/FAT Operation Mode :-

- AP-WAC2100 support FIT/FAT operation mode;
- FIT AP mode works with the AC controller, plug and play, central management by AC controller, mostly for enterprise application.
- FAT AP mode supports AP, repeater, gateway, WISP operation mode, can be configured by GUI, suits for home mostly.

MU-MIMO Technology :-

- With MIMO technology, it adopts 256QAM modulation, supports MU-MIMO (Multi-User Multiple-Input Multiple-Output), 2 Spatial streams greatly improves communication efficiency.

Power over Ethernet :-

- AP-WAC2100 has integrated IEEE802.3af Power over Ethernet (PoE), for easy installation and lower cost.
- So, it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

Zero Configurations :-

- Supports FIT/FAT AP together, works with Airpro WLAN Controller, configures IP address, ESSID, Channel, Password, upgrade firmware, backup, and restore.
- WLAN controller is easy for administrator access to do remote monitoring/management at any time and any place makes this AP and WLAN controller more professional and cost-effective in Wi-Fi Projects.

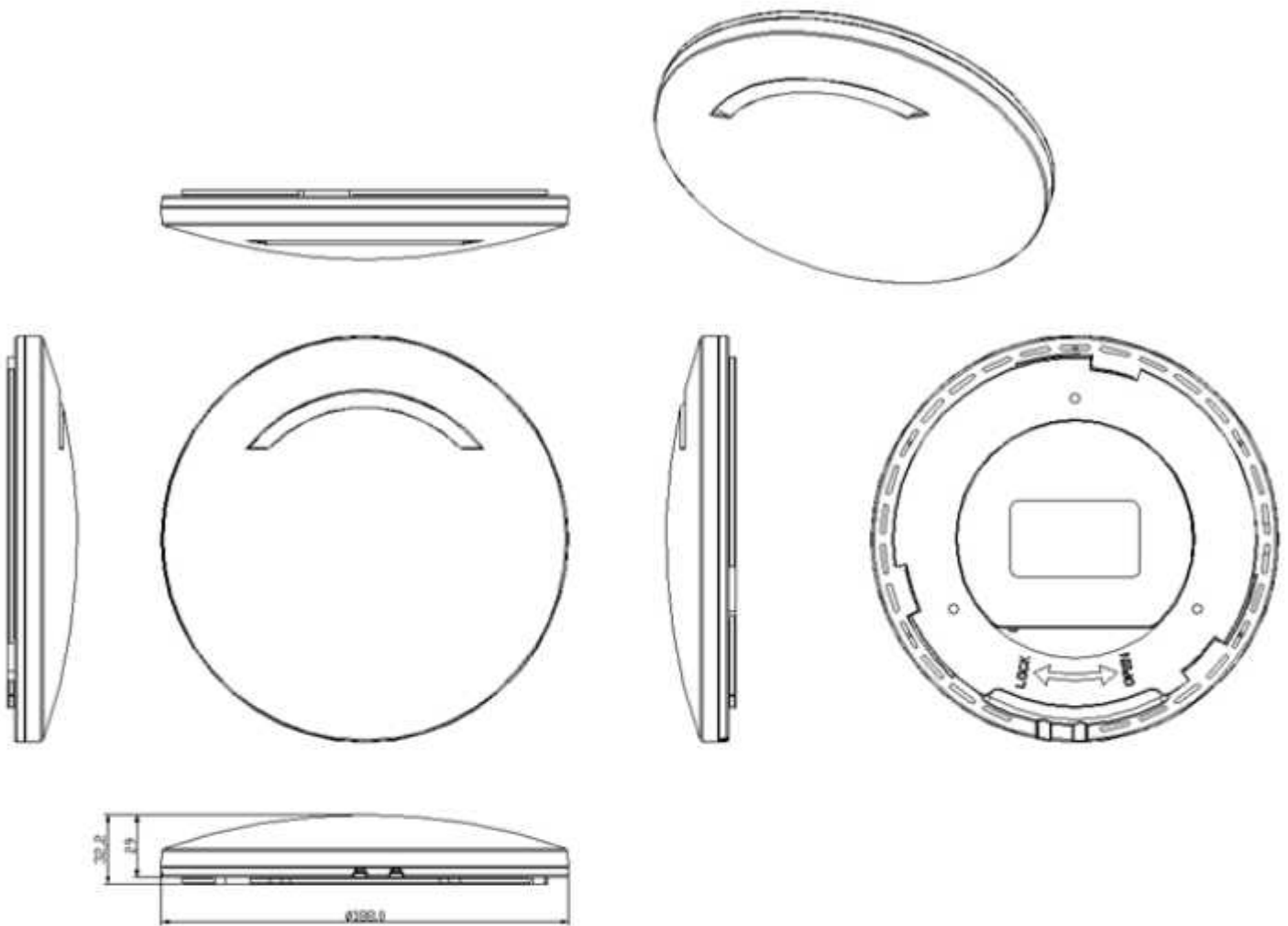
TECHNICAL SPECIFICATIONS

| SPECIFICATIONS | | | | | |
|------------------------------|---|------|---------|------|---------|
| Hardware: | | | | | |
| Standard | 802.11ac/b/g/n, MIMO technology | | | | |
| Memory | 128MB DDR2 RAM | | | | |
| Flash | 16MB | | | | |
| Interface | 1 * 100Mbps RJ45 WAN Port 1 * 100Mbps RJ45 LAN Port 1 * Reset button, press 15 seconds to revert to the default setting | | | | |
| Antenna | Built-in 5dBi MIMO Antenna | | | | |
| Power consumption | 48V PoE<12W | | | | |
| Size | 188mm * 33 mm | | | | |
| RF Data | | | | | |
| Frequency | 2.4G: 802.11b/g/n: 2.4GHz~2484GHz 5GHz: 802.11a/n/ac: 5150MHz ~5850MHz | | | | |
| Country code | FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN | | | | |
| Modulation | OFDM = BPSK, QPSK, 16-QAM, 64-QAM, 128-QAM DSSS = DBPSK, DQPSK, CCK | | | | |
| Throughput | 1200Mbps | | | | |
| RF Power (2.4GHz) | 802.11b | 11M | 17±2dBm | 1M | 20±2dBm |
| | 802.11g | 54M | 16±2dBm | 6M | 19±2dBm |
| | 802.11n HT20 | MCS7 | 15±2dBm | MCS0 | 18±2dBm |
| | 802.11n HT40 | MCS7 | 15±2dBm | MCS0 | 18±2dBm |
| RF Power (5GHz) | 802.11a | 54M | 17±2dBm | 6M | 19±2dBm |
| | 802.11n HT20 | MCS7 | 16±2dBm | MCS0 | 18±2dBm |
| | 802.11n HT40 | MCS7 | 15±2dBm | MCS0 | 17±2dBm |
| | 802.11ac HT80 | MCS9 | 14±2dBm | MCS0 | 16±2dBm |
| Receive Sensitivity (2.4GHz) | 802.11b | 11M | -85dBm | 1M | -94dBm |
| | 802.11g | 54M | -72dBm | 6M | -88dBm |
| | 802.11n HT20 | MCS7 | -70dBm | MCS0 | -86dBm |
| | 802.11n HT40 | MCS7 | -68dBm | MCS0 | -85dBm |
| Receive Sensitivity (5GHz) | 802.11a | 54M | -72dBm | 6M | -90dBm |
| | 802.11n HT20 | MCS7 | -70dBm | MCS0 | -88dBm |
| | 802.11n HT40 | MCS7 | -68dBm | MCS0 | -86dBm |
| | 802.11ac HT80 | MCS9 | -58dBm | MCS0 | -85dBm |
| EVM | 2.4G: 802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB 5G: 802.11a: ≤-25 dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB | | | | |
| PPM | ±20ppm | | | | |
| Wi-Fi Users | Up to 80 | | | | |
| Firmware Features: | | | | | |
| Operation mode | Wireless AP, Gateway, WISP, Wi-Fi Repeater | | | | |
| WAN Type | Dynamic IP/Static IP/PPPoE/L2TP (Dual Access) /PPTP (Dual Access) | | | | |
| SSID | Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G) | | | | |
| Firewall | DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding | | | | |
| Protocols | IPv4 | | | | |
| Management | Firmware GUI, Remote Management, WLAN Controller | | | | |
| Package Contents | 1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory | | | | |
| System Requirements | Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX, or Linux | | | | |
| Environment | Operating Temperature: -20~55 Storage Temperature: -40~70 Humidity: 5%~95% non-condensing; Storage Humidity: 5%~90% non-condensing | | | | |

PRODUCT PICTURE



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