

iziFi[®]
WIFI FOR BUSINESS



IZIFI AC Outdoor
MODEL: AP1200

IZIFI BUSINESS

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Overview

The Enterprise-Grade High Performance WiFi 5 802.11ac Wave 2 Access Point, especially designed for the Outdoor Environments deployment with High-Throughput-Demand

Ideal Use Cases

- Performance-critical wireless LANs
- High-density outdoor environments

Hardware Features

- 2 radios: 2.4 GHz, 5 GHz, dual-band
- 802.11N, 802.11AC Wave2 1200Mbps.
- 2 × 1 Gbps Ethernet port (WAN, LAN)
- PoE: 802.3at
- Support 12Volt DC input.

Operation Management

- Support flexible mode FIT(Wlan Controller Member) and FAT(Stand Alone AP)
- Central-provisioning from Wlan Controller.
- Self configuration one by one AP via WEB GUI.
- Support flexible network mode operation: AP, AP Router, WDS Wireless Link, ISP Client.

Wlan Network Optimization

- In FAT Mode, Auto channel selection by AP self in the Passive.
- In FIT Mode, Auto channel provision from the Central Wlan Controller with flexible mode Passive and Active.
- Radios optimized for rate-vs-range performance
- Built-in real-time RF spectrum view in FAT mode.
- Wlan Controller-based automatic roaming assistant(Client's match decision).
- Support Band Steering Prefer 5Ghz.
- Support Fast Roaming 802.11k,v,r

Wire Network Optimization.

- Support Multi 4SSID/Vlan tag per radio.
 - MAC ACL in the FAT mode.
 - Router support DHCP Server and Bandwidth QOS in FAT Mode.
 - Router support port forwarding and DMZ.
 - Monitor and track statement of the online client devices.
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Overview

Device management

- Create device-specific firewall rules
- Schedule reboot system.
- Schedule on/off Wlan Radio WiFi.
- Central Firmware Management or Direct Firmware Upgrading
- Local syslog.



Specifications

AP1200	
802.11 Standard	802.11 A/N/AC 5.8Ghz
Data Rate	1200Mbps
Antenna	MIMO Panel Integrated 2x2:2 Antenna With 5 dBi
Transmit Power	High
Beamwidth	360°
Chanel Bandwidth	20/40/80 Mhz
Network Interface	(2) x 10/1000 Mbps Ethernet Ports

Specifications

Power Method	802.3af/at PoE 48V Passive PoE (Pairs 4,5+ & 7,8-) 12V 1.5A DC Jack																																																		
Features	Wireless AP, Router AP, WDS Link, Client ISP Wan Interface: DHCP Client, Static, PPPoE Multiple 4 SSID/radio Vlan/SSID 802.1q Wlan Security: Open, WPA/WPA2-PSK RF Optimization configuration Firewall: DMZ, Port forwarding, ACL L3/L4, MAC Binding. System Firmware, backup restore configuration System time zone FIT MODE: Wlan Controller																																																		
Max Power Consumption	<13W																																																		
IP Ratings	IP65																																																		
Assistant Interface	(1) Reset button, press 15 seconds for default setting																																																		
LEDs	1 Power, 1 WAN, 1 LAN and 4 Wi-Fi Signal Strength LEDs																																																		
ESD/EMP Protection	Contact Discharge: $\pm 6KV$ Air Discharge: $\pm 8KV$																																																		
RF Power	<table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td>2.4G RF Power</td> </tr> <tr> <td></td> <td>802.11b</td> <td>11M</td> <td>21\pm2dBm</td> <td>1M 23\pm2dBm</td> </tr> <tr> <td></td> <td>802.11g</td> <td>54M</td> <td>20\pm2dBm</td> <td>6M 22\pm2dBm</td> </tr> <tr> <td></td> <td>802.11n HT20</td> <td>MCS7</td> <td>19\pm2dBm</td> <td>MCS0 21\pm2dBm</td> </tr> <tr> <td></td> <td>802.11n HT40</td> <td>MCS7</td> <td>18\pm2dBm</td> <td>MCS0 20\pm2dBm</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>5G RF Power</td> </tr> <tr> <td></td> <td>802.11a</td> <td>54M</td> <td>19\pm2dBm</td> <td>6M 21\pm2dBm</td> </tr> <tr> <td></td> <td>802.11n HT20</td> <td>MCS7</td> <td>18\pm2dBm</td> <td>MCS0 20\pm2dBm</td> </tr> <tr> <td></td> <td>802.11n HT40</td> <td>MCS7</td> <td>17\pm2dBm</td> <td>MCS0 19\pm2dBm</td> </tr> <tr> <td></td> <td>802.11ac HT80</td> <td>MCS9</td> <td>16\pm2dBm</td> <td>MCS0 18\pm2dBm</td> </tr> </table>					2.4G RF Power		802.11b	11M	21 \pm 2dBm	1M 23 \pm 2dBm		802.11g	54M	20 \pm 2dBm	6M 22 \pm 2dBm		802.11n HT20	MCS7	19 \pm 2dBm	MCS0 21 \pm 2dBm		802.11n HT40	MCS7	18 \pm 2dBm	MCS0 20 \pm 2dBm					5G RF Power		802.11a	54M	19 \pm 2dBm	6M 21 \pm 2dBm		802.11n HT20	MCS7	18 \pm 2dBm	MCS0 20 \pm 2dBm		802.11n HT40	MCS7	17 \pm 2dBm	MCS0 19 \pm 2dBm		802.11ac HT80	MCS9	16 \pm 2dBm	MCS0 18 \pm 2dBm
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Specifications

Receive Sensitivity	2.4G Receive Sensitivity			
	802.11b	11M	-85dBm	1M -94dBm
	802.11g	54M	-72dBm	6M -90dBm
	802.11n HT20	MCS7	-70dBm	MCS0 -88dBm
	802.11n HT40	MCS7	-68dBm	MCS0 -86dBm
	5G Receive Sensitivity			
	802.11a	54M	-74dBm	6M -90dBm
802.11n HT20	MCS7	-72dBm	MCS0 -88dBm	
802.11n HT40	MCS7	-68dBm	MCS0 -86dBm	
802.11ac HT80	MCS9	-58dBm	MCS0 -80dBm	
Dimensions	315mm * 145 mm * 80 mm			
Environment	Operating Temperature: -30~55 °C Max Operating Temperature: -40~70 °C (Throughput lower) Storage Temperature: -40~70 °C Humidity: 5%~95% non-condensing			
Management	Firmware GUI ,Remote Management, Wlan Controller			