

**iziFi**<sup>®</sup>  
WIFI FOR BUSINESS



**IZIFI AC HD**  
MODEL: IZ7520

**IZIFI BUSINESS**

[WWW.IZIFI.COM](http://WWW.IZIFI.COM)

## Overview

**The Enterprise-Grade High Performance 802.11ac Wave 2 Access Point, especially designed for the Indoor Environments deployment with High-Throughput-Demand.**

### **Ideal Use Cases**

- Performance-critical wireless LANs.
- Recommended for Long-Range coverage.

### **Hardware Features**

- 2 radios: 2.4 GHz, 5 GHz, Dual-Band
- 802.11N, 802.11AC Wave2 1200Mbps.
- 2 × 1 Gbps Fast 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 Cental 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

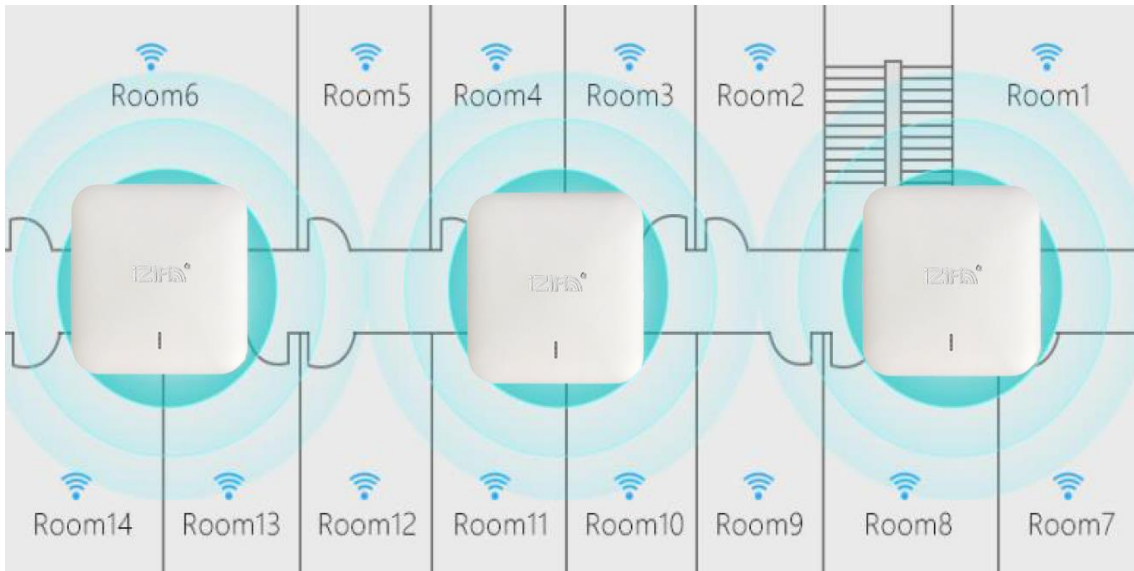
### **Wire Network Optimization.**

- 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.

## 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

<b>IZ7520</b>	
<b>802.11 Standard</b>	802.11 A/N/AC 5.8Ghz
<b>Data Rate</b>	1200Mbps
<b>Antenna</b>	Integrated 2x2:2 Antenna With 5 dBi
<b>Transmit Power</b>	High
<b>Beamwidth</b>	360°
<b>Chanel Bandwidth</b>	20/40/80 MHz
<b>Network Interface</b>	(2) x 10/1000 Mbps Fast Ethernet Ports

## Specifications

<b>IZ7520</b>	
<b>Power Method</b>	802.3af/at PoE 48V Passive PoE (Pairs 4,5+ & 7,8-) 12V 1.5A DC Jack
<b>Features</b>	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 (CAPWAP)
<b>Max Power Consumption</b>	<13W
<b>Assistant Interface</b>	(1) Reset button, press 15 seconds for default setting
<b>LEDs</b>	1 Power, 1 WAN, 1 LAN and 4 Wi-Fi Signal Strength LEDs
<b>ESD/EMP Protection</b>	Contact Discharge: $\pm 6\text{KV}$ Air Discharge: $\pm 8\text{KV}$

## IZ7520

### 2.4G RF Power

802.11b	11M	21±2dBm	1M	21±2dBm
802.11g	54M	20±2dBm	6M	22±2dBm
802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm

### RF Power

### 5G RF Power

802.11a	54M	19±2dBm	6M	21±2dBm
802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
802.11n HT40	MCS7	17±2dBm	MCS0	19±2dBm
802.11ac HT80	MCS9	16±2dBm	MCS0	18±2dBm

### 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

### Receive Sensitivity

### 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

## Specifications

<b>IZ7520</b>	
<b>Concurrent Connection</b>	250+
<b>Concurrent Users</b>	120
<b>Dimensions</b>	198mm * 198 mm * 32 mm
<b>Environment</b>	Operating Temperature: -30~55 °C Max Operating Temperature: -40~70 °C (Throughput lower) Storage Temperature: -40~70 °C Humidity: 5%~95% non-condensing
<b>Management</b>	Firmware GUI, Remote Management, Wlan Controller (CAPWAP)