Product Description

GZ-AX820 is an 11ac Wi-Fi standard high power Ceiling Wireless Access Point with MTK chipset supports WAVE 2 MU-MIMO , combined with 1800Mbps Wi-Fi speed over 2.4GHz(574Mbps) and 5GHz(1201Mbps), make more than 120 end users can access into it. It is an economic option for hotel, school, restaurant or other enterprise place.

FIT/FAT Operation Mode

GZ-AX820 support FIT/FAT operation mode;
If FIT AP, work with AC controller, plug and play, central management by AC controller, mostly for enterprise application.
If FAT AP, support AP, repeater, gateway, WISP operation mode, can be configured by GUI, suit for home mostly.

Multiple Protection for Stable Performance

GZ-AX820 with ABS fireproof material, white color, suite for various decoration styles.
Besides that, PCB board with watchdog design, can reboot automatically in case of failure.
What's more, it support ESD protection, can install in various harsh environment.

Power over Ethernet

GZ-AX820 has integrated IEEE802.3af/at 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 Configure & Cloud Management System

Support FIT/FAT AP together, work with WLAN Controller, zero configure in IP address, ESSID, Channel,
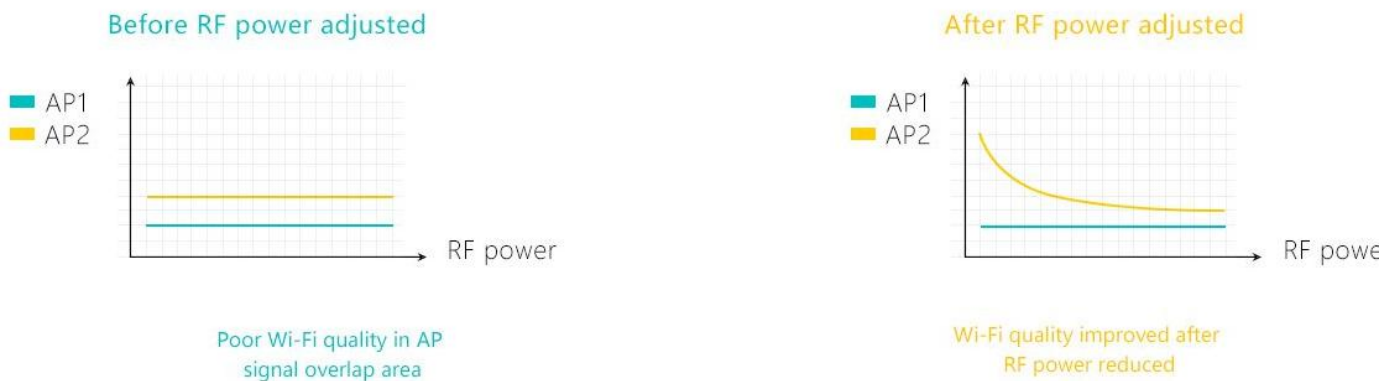
Password, upgrade firmware, backup and restore.... Besides that, it support advertisement and authentication functions like WeChat/Google/SMS/Facebook/Member Authentication.

Then the WLAN controller can access into Cloud Management System, easy to make administrator access it, to do remote monitoring/management at any time and any place, make this AP and WLAN controller more professional and cost saved in Wi-Fi Projects.

Features

❖ Comply with IEEE 802.11ac/b/g/n/ac/ax, dual band, 1800Mbps Data Rate, 11ac 2x2 MIMO Technology, 2*10/1000Mbps Ethernet Ports to meet with different customer's request.

❖ Support active IEEE 802.3af/at 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 function of build 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 environment

The transmission RF power is adjustable based on environment. Cut down RF power in place with high density of people or wireless AP to reduce Wi-Fi interference; Increase RF power in large area to improve the signal strength.

Hardware Specification

Hardware:	
Chipset	MT7621A+MT7905N+MT7975DN
Memory	256MB
Flash	SPI NOR 16MB
Interface	1 * 10/100/1000Mbps RJ45 WAN Port, POE power support
	1 * 10/100/1000Mbps RJ45 LAN Port
	1 * Reset button, press 10 seconds to revert to default setting

11ac 1800Mbps Ceiling Wireless AP   (GZ-AX820)

Antenna	Build in 5dBi 2.4GHz MIMO Antenna Build in 4dBi 5.8GHz MIMO Antenna
Size	188mm * 188 mm * 35 mm
POE	48V ⎓ 0.5A
DC	12V ⎓ 1A
LED Indicator	Sys, 2.4G WIF, 5.8G WIFI, LAN, WAN
Max Power Consumption	< 15W
ESD	±6KV
RF Data	
Frequency	2.4G:802.11b/g/n/ac/ax: 2400MHz~2484MHz 5GHz:802.11a/n/ac/ax: 5150MHz ~5850MHz
Country code	FCC、IC、ETSI、MKK、MKK1、MKK2、MKK3、NCC、RUSSIAN、CN
Modulation	OFDMA 1024-QAM DSSS = DBPSK, DQPSK, CCK
Throughput	1800Mbps
RF Power	<18dBm
PPM	±20ppm
Max Users	120+
Others:	
Package Contents	1800Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
Environment	Operating Temperature: -20~45 ℃ Storage Temperature: -40~70 ℃ Storage Humidity: 5%~95% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System
Firmware Features:	
Operation mode	Wireless AP: Plug and Play. Gateway: Dynamic IP/Static IP/PPPoE
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4
	Support SSID hidden
	Support SSID broadcast
	Support 5G Prior for a faster Ethernet.
	Wireless Security: OPEN, WPA, WPA2, WPA-PSK, WPA2-PSK
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Short GI Enable and Disable
	Support user quantity limited, Max 128 users to access each

	band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Application

Accessory

AP	1
Lan cable	1
Mounting Accessories	1
Gift Box	1