EAP510

11AC 1200Mbps Dual Band Gigabit Ceiling Wireless AP

802.11AC Protocal | **Dual Band** | **MU-MIMO** | **120+ User** | **Wave 2.0** | **RF Power Adjustable** | **Remote Management** | **Central Management** | **Seamless Roaming**

OVERVIEW

WIS new series EPA510 is an 11ac Wi-Fi standard ,high power Ceiling Wireless Access Point,combined1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and5GHz(900Mbps), make more than 120 end users can access into EAP510 with faster Ethernet, make them to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks, widely be used in school, hospital, hotel, office, shipping mall.

FEATURES

- Comply with IEEE 802.11ac/b/g/n, MU-MIMO Technology, Wave2.0 Dual band,1200Mbps Data Rate.
- 11ac 2x2 MU-MIMO technology, 2*10/100/1000 Mbps meet with different coustmer's request .
- 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,supports FIT/FAT operation mode.
- 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 .

FIT/FAT Operation Mode

WIS-EAP510 supports FIT/FAT operation mode;
FIT AP, work with AC controller, plug and play, central management by AC controller, mostly for enterprise application.
FAT AP, support AP, repeater, gateway,can be configured by GUI, suitable for home Use.

Multiple Protection for Stable Performance

WIS-EAP510 with ABS fireproof material, white color, suitable for various decoration styles.And PCB board with watchdog design, can reboot automatically in case of failure.What's more, it support lightning protection and ESD protection, can install in various harsh environment.

Power over Ethernet

EAP510 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 available, eliminating the mess of altering existing network infrastructure.
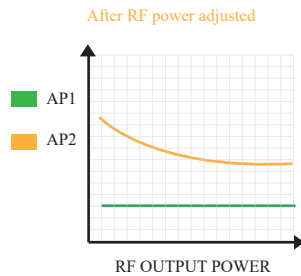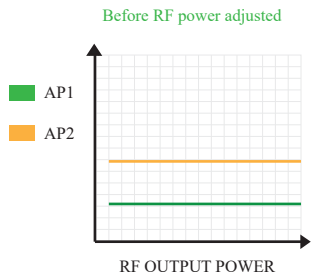
Zero Configure & Cloud Management System

Support FIT/FAT AP together, work with WIS WLAN Controller, zero configure in IP address, ESSID, Channel, Password, upgrade firmware, backup and restore.

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 save cost in Wi-Fi Projects.

More Wi-Fi Coverage

More Wi-Fi Coverage. PCB board adopt Skyworks POWER Amplifier and Low Noise Amplifier design improved the wireless coverage and reduced the noise interference.
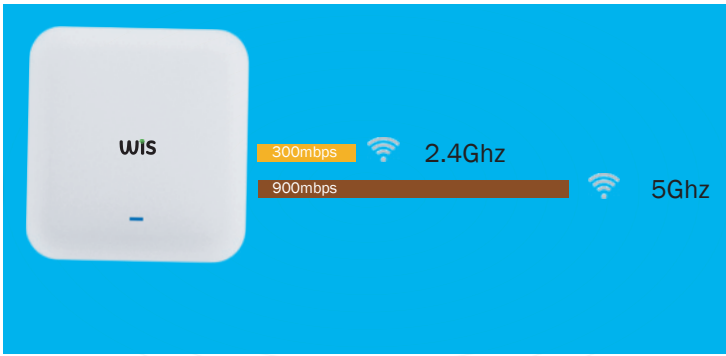
Adjustable RF Power, Improve Wireless Quality

Adjustable RF Power, Improve Wireless Quality. 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.

Seamless Roaming, no loss in Wi-Fi loss During Moving

When AP recognizes that the terminal user's signal is lower then the setted coverage threshold, it will automatically remove the terminal user to connect to the AP with strong signal to achieve seamless rooming.

2.4G/5G Dual Frequency Wireless data rate up to 1200Mbps

Dual Band, Less Frequency Interference, More Users, Higher Performance. 1200Mbps data rate, 120 end users max, 120 simultaneous end users tested.

300mbps 📶 2.4Ghz
900mbps 📶 5Ghz

Three ways of WIS Controller Solution

All configuration and management is centrally and effectively operated by the WIScloud controller.

Deploy Wiscloud AP and scale up easily with any one of the controller.

Cloud Controller | App Based Controller | Hardware Controller

Watchdog design, No Internet lose

The watchdog chip + circuit design make the equipment with self inspection in network disconnection, link detection and network   backup. When it found that device is disconnected, the watchdog circuit will restart the system automatically to ensure the reliability and safety.

Watchdog   Self Inspection   Link Detection

Cable / port hidden design, integrated into all kinds of decoration

Network port hidden structure, skillfully hidden the network cable, integrated into the exist decoration, keep it clean and unified scene.the working status at a glance.

Faster dual-Ethernet ports design

1*10/100/1000M LAN port, support 48V active PoE(Can be used as WAN)1*10/100/1000M LAN port more convenient to use.

Multiple Application Scene

Corridor   Hospital   Office   Home   Hotel

WIS-EAP-510 Gigabit ceiling mount wireless Ap can be used for indore environment where need wireless coverage like dormitory,Family Hotel,Hospital,Office,ktvRoom.

WIS

WIS-EAP510

SPECIFICATION

WIS-EAP510

Standard	802.11ac/b/g/n, MIMO technology
Flash	16MB
DDR3L	128MB
2.4G Frequency	2.4GHz- 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n
5.8G Frequency	5150~5850MHz
5.8G Wi-Fi Standard	802.11 a/n/ac
Interface	1 * 10/100 /1000 RJ45 LAN Port(Can be used in WAN)
	1 * 10/100 /1000 RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 5dBi*2.4 Ghz/4 dBi*5.8 Ghz MIMO Antenna
Data Rate	1200Mbps
End Users	120
2.4G RF Power	≤ 20dBm
5.8G RF Power	≤ 23dBm
PPM	±20ppm
DC	12V----1A
PoE	48V (IEEE 802.3af)-----0.5A
LED light	Sys,2*LAN
Power Consumption	≤ 12W
Size	168mm*168mm*32mm

Firmware/Software

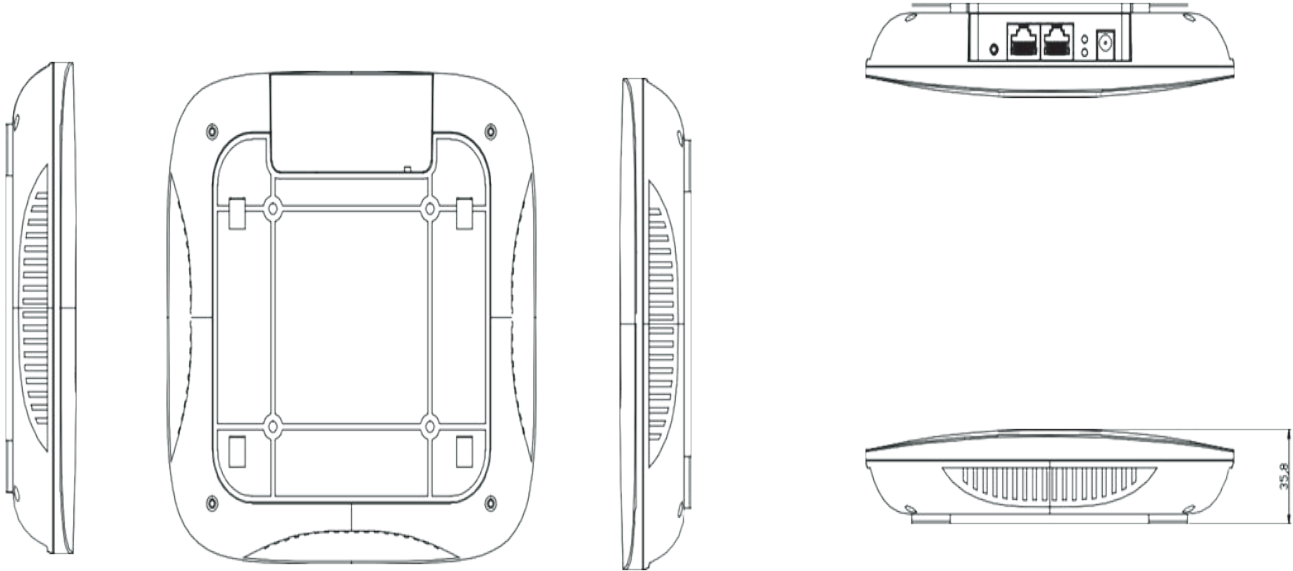|	
Working Mode	Gateway, AP, Repeater, WISP
Wireless Founction	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x
	Support MAC filter
	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.
	Support user quantity limited, Max 64 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

Antenna

Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms nominal
Gain	4dBi
Radiation	Omni
Polarization	Vertical
S-Parameters	(2.4/ 5.8G #2 VSWR)

Other

Environment	Operating Temperature:-20~55 ℃
	Storage Temperature:-40~70 ℃
	Humidity: 5%~95% non-condensing;
	Storage Humidity: 5%~90% non-condensing
Package Contents	1200Mbps Dual Band wireless access point
	Mounting kit
	Quick Installation Guide

DIMENSIONS

ORDERING INFORMATION

WIS-EAP510	11AC 1200Mbps Giga Dual Band Ceiling Wireless Access Point.