

# 11AC 1200Mbps Wave 2 Ceiling AP



Dual Band

Seamless  
Roaming

MU-MIMO

Up to 80  
on line userRemote  
management

WAVE 2.0

Central  
Management

## OVERVIEW

WIS new series EAP500 is an 11AC Wi-Fi standard high power Ceiling Wireless Access Point with ,combined 1200Mbps Wi-Fi speed over 2.4GHz (300Mbps) and 5GHz(900Mbps), make more than 80 end users can access into it. It is an economic option for hotel, school, restaurant or other enterprise place.

## FEATURES

- Comply with IEEE 802.11ac/b/g/n, dual band,1200Mbps Data Rate.
- 11ac 2x2 MU-MIMO technology, 2\* 10/100Mbps Ethernet Ports
- Support activeIEEE 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.
- RF power adjustment and frequency analyzer for better application in different environment.

## FIT/FAT Operation Mode

WIS-EAP500 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-EAP500 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

WIS-EAP500 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.

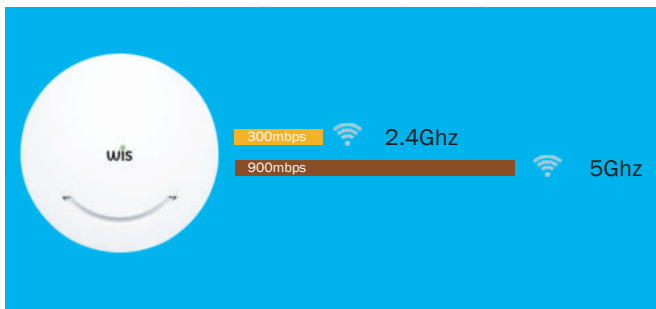


## Seamless Roaming, No Wi-Fi Lose During Moving

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

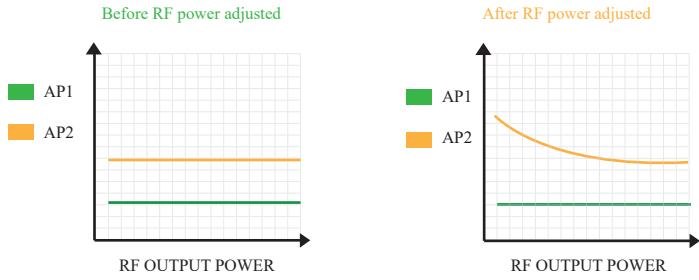
## Slim design, more flexible

Elegant and compact design, saved installation space, integrates into the environment flexibly and completes wireless coverage easily.



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

2.4G with longer wireless range, compatible more wireless user; 5.8G more pure, less Wi-Fi interference; Dual concurrent frequency with 1200Mbps data rate, full meet the needs of wireless coverage in crowded places.



### 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.

### Three ways of WIS Controller Solution

All configuration and management is centrally 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

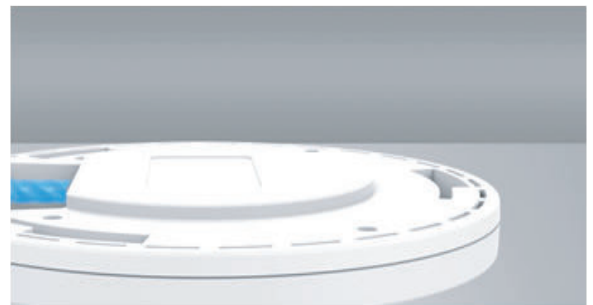


### Watchdog design, No Internet lose

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.

### 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. Smile shape LED indicator, the working status at glance.



### Faster dual-Ethernet ports design

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

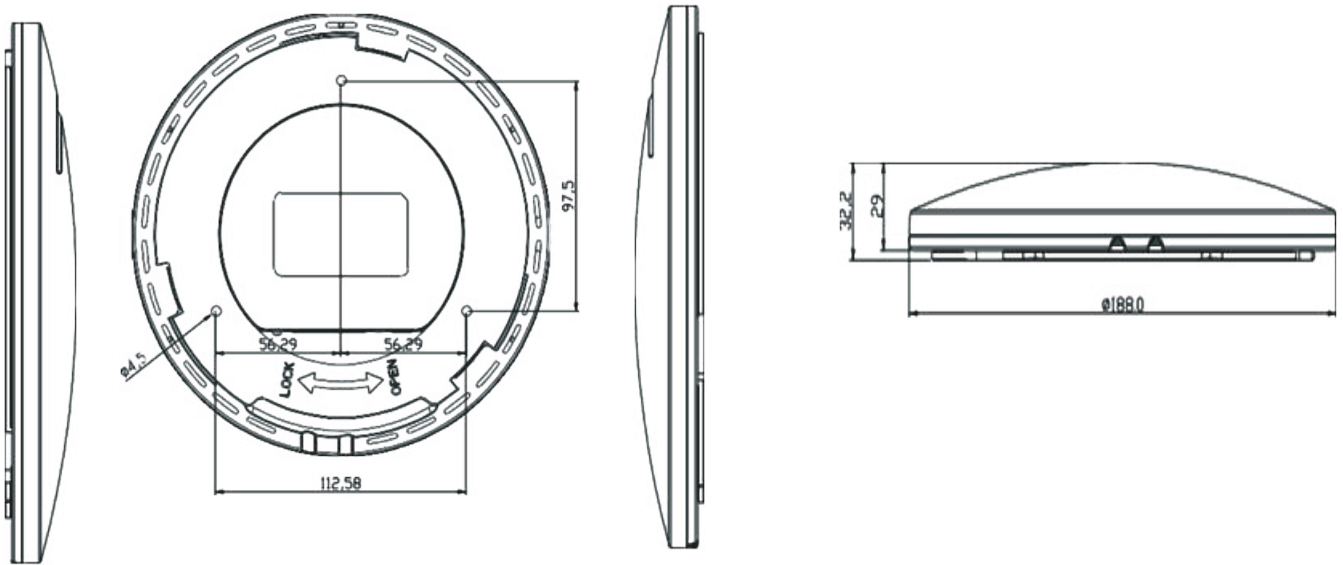


**SPECIFICATION**

<b>WIS-EAP500</b>	
Standard	802.11ac/b/g/n, MIMO technology
Memory	64MB
Flash	SPI NOR 8MB
Interface	1 * 10/100Mbps RJ45 LAN Port(Can be used as WAN ) 1 * 10/100Mbps RJ45 LAN Port 1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 5dBi 2.4GHz MIMO Antenna Build in 4dBi 5.8GHz MIMO Antenna
Size	188*33mm
PoE	48V 0.5A
DC	12V 1A
LED Indicator	Sys, 2.4G WIF, 5.8G WIFI, LAN, 2*LAN
Max Power Consumption	< 10W
ESD	±6KV
Surge Protection	Different mode: ±2KV
<b>RF Data</b>	
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, 256-QAM DSSS = DBPSK, DQPSK, CCK
Throughput	1200Mbps
RF Power (2.4GHz)	<22dBm
RF Power (5GHz)	<21dBm
PPM	±20ppm
Max Users	80
<b>Firmware Features:</b>	
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

Antenna specification	
Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms nominal
Gain	4dBi
Radiation	Omni
Polarization	Vertical
	S-Parameters (2.4G&5.8G)
Others	
Environment	Operating Temperature:-20~55 °C
	Storage Temperature:-40~70 °C
	Humidity: 5%~95% non-condensing; Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System
Package Contents	1200Mbps Dual Band wireless access point
	Mounting kit
	Quick Installation Guide

### DIMENSIONS



### ORDERING INFORMATION

WIS-EAP500

1200Mbps Dual Band Ceiling Wireless Access Point



\*Product specifications and availability are subject to change without notice