WIS

EAP510-OUTDOOR

11AC 1200Mbps Wave 2 Outdoor AP

| Professional Outdoor shell | Industrial Grade CPU | 2*5 dBi omni WiFi antennas | Up to 120 user | Remote management | WAVE 2.0 | MU-MIMO | Rf Power Adjustable |

OVERVIEW

WIS new series EAP510-Outdoor is the 1200Mbps high power industrial use Outdoor wireless access point with the next generation 802.11ac Wi-Fi standard, support 2x2 MU-MIMO technology, it is dual band, 2.4GHz(300Mbps) and 5GHz(900Mbps), Gigabit WAN/LAN port, the fast Ethernet data rate and clear frequency make 120 end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

FEATURES

- Comply with IEEE 802.11ac/b/g/n,MU-MIMO,technology Wave2.0 Dual band,1200Mbps Data Rate.
- 11ac 2x2 ,2*10/100/1000 Mbps Ethernet Ports to 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) .
- WAN Type (PPPOE/static IP/dynamic IP/L2TP/PPTP).
- Wireless AP, Repeater, WISP operation mode in FAT AP.
- With function of build in firewall, IP filter, Domain filter and MAC filter.
- Remote management,WLAN Controller,Cloud management System.

ABS weather-proof case

WIS-EAP510 Outdoor with ABS Waterproof,dust proof nad sunscreen shell,avoid the damage from dust,rainy weather.Meantime,it adaptive to various environment,the maximum working temperature can be at-40° C to 55° C suit for any country.

High Power, 5dBi omni antenna, more Wi-Fi Range

Designed in two line Power Amplifier on PCB board,build in 5dBi omni Wi-Fi antenna,outdoor Wi-Fi range up to 100+ meters.
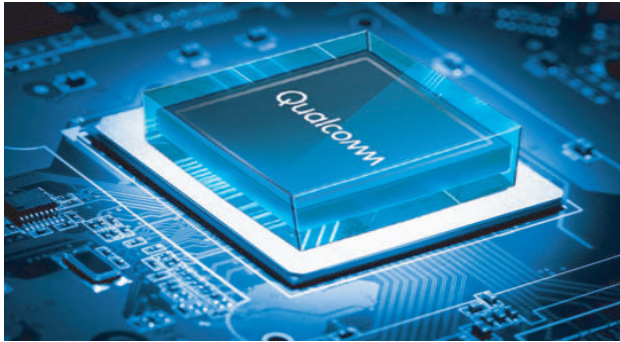
MU-MIMO, Wave2.0 Technology

Comply with Wave2.0 Technology,it adopt 256QAM modulation,support MU-MIMO (Multi-User Multiple-Input Multiple-Output) greatly to improved the communication efficiency.

Power over Ethernet

WIS-AP510 Outdoor has integrated active 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. Pls note, the default is 48V IEEE 802.3at PoE.

Beamfrorming, DFS, Airtime Fairness, Band Steering, OFDM support

WIS-EAP510 Outdoor support many functions like Beamfrorming, DFS(Dynamic Frequency Selection), Airtime Fairness, Band Steering (5G Prior), OFDM(Orthogonal Frequency Division Multiplexing), RF Power adjustable to improve the performance and Wi-Fi stability.
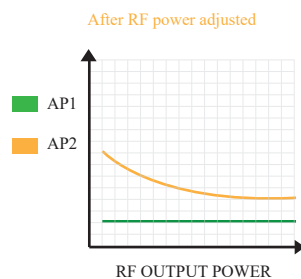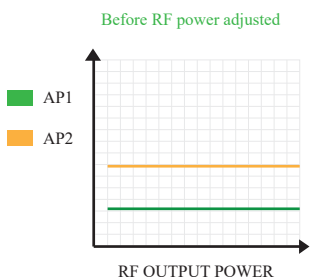

Superior performance guarantee

WIS-EAP510-Outdoor with Qualcomm industrial chipset and adapt to intelligent channel analysis technology choose the less Wi-Fi interference channel makes wireless transmission faster and more stable.

Professional Outdoor shell design, IP65 dust-proof/water-proof level

Adopt ABS Outdoor engineering plastic shell and industrial components,to provied IP65 level water proff,dust-proff and lightning protection,adopt to wind,sun,thunder strom,snow & freeze or other adverse enviroments,even in exterme high and low temperature(-40°70°c)environment,can work normally steadly as well.

Before RF power adjusted

After RF power adjusted

AP1
AP2

AP1
AP2

RF OUTPUT POWER

RF OUTPUT POWER

Adjustable RF Power,lmprove Wireless Quality

Rf Power is adjustable according to the actual use environment. Reduce mutual WIFI interference between each other to improve wireless stability.

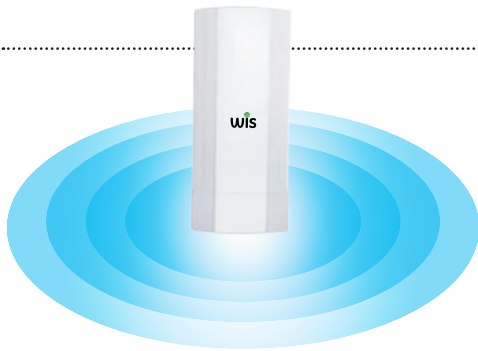## 2.4G/5G Dual Frequency Wireless data rate up to 1200Mbps

300mbps 2.4Ghz
900mbps 5Ghz

Provide Dual 2.4G and 5G frequency,data rate up to 1200Mbps Support MU-MIMO technology,1200Mbps data rate and Gigabit WAN simultaneously connect 120 wireless terminal device, increase the bandwidth to 3 or 4 times,High RF Power up to 1000mW,more signal for each user ,more stable performance.

Three ways of WIS Controller Solution

All configuration and management is centrally and effectively operated by WIS cloud Controller.

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

Cloud Controller | App Based Controller | Hardware Controller
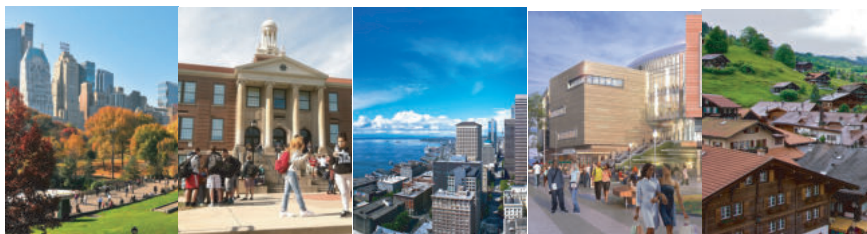
Long wireless coverage

Transfer all kinds of data smoothly ,do not have any latency.EAP510-Outdoor is a high power outdoor base station with 160 meters wireless range ,can meet the demands for outdoor wifi project large area coverage, specialize in high power design ,can ensure strong wireless signal and stable performance.

Independent external power amplifire circuit and low noise amplifire receiving circuit design

Independent external power amplifire circuit   PA + LNA   Low noise amplifire circuit

Increase receive and transmit Range improve wireless transmission quality. Independent external power amplifier circuit and low noise amplifier receiving circuit design.

Park   School   scenic point   Mall   Village

Multiple Application Scene

EAP510-Outdoor Gigabit ceiling mount wireless Ap can be used for outdoor enviroment where need wireless coverage like dormitory,Family, Hospital,Office,Campus,City Wi-Fi.......

SPECIFICATION

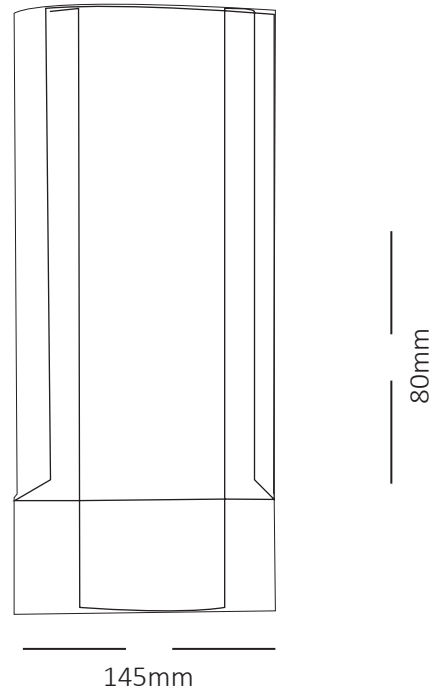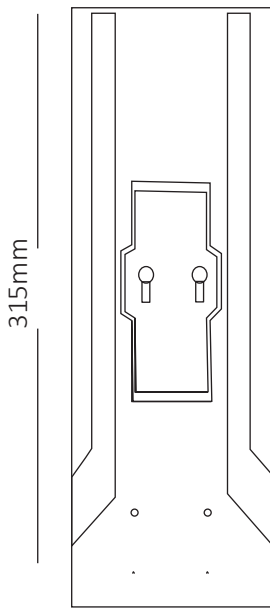| WIS-EAP510-Outdoor	
Chipset	Qualcomm QCA9563+QCA9886+QCA8334
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	2 * 10/100/1000Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in omni antenna, 5dBi, MIMO
Power consumption	48V PoE<30W
Size	315mm * 145 mm * 80 mm
Frequency	2.4G: 802.11b/g/n; 5GHz: 802.11a/n/ac
	2.4GHz: 2.4GHz to 2.484GHz
	5GHz: 5150-5850 GHz
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM
	DSSS = DBPSK, DQPSK, CCK
Data Rate	1200Mbps (2.4G 300Mbps, 5.8G 900Mbps)
RF Power	2.4G: ≤27dBm
	5G: ≤27dBm
IP Level	IP65
Power consumption	< 20W
ESD	Differential Mode: ±2KV
Max Users	120
Product Size	315mm*145mm*80mm
Firmware Features:	
Operation mode	Wireless AP, Gateway, WISP, WiFi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	WPA / WPA2, WPA-PSK/ WPA2-PSK
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter
	IP and MAC Address Binding
Protocols	IPv4
Antenna Specifications	
Frequency Range	2.4/5 GHz
Gain	5dBi
V.S.W.R	≤2
Impendance	50Ω
Polarization	Vertical
Radiation	Omni
Others:	
Environment	Operating Temperature:-30~45 ℃
	Maximum Working Temperature:-40 ~55℃(Throughput some attenuation)
	Storage Temperature:-40~70 ℃
	Storage Humidity: 5%~95% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7,
	Windows 8, MAC OS, NetWare, UNIX or Linux

Package Contents

1200Mbps Dual Band Outdoor access point
Mounting Maetrial
Quick Installation Guide

DIMENSIONS

315mm

80mm

145mm

ORDERING INFORMATION

WIS-EAP510-OUTDOOR   11AC 1200Mbps Dual Band GIGABIT OUTDOOR Wireless Access Point

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