11AX 5400 Mbps Dual Band Wi-Fi6 Outdoor 4x4 MIMO Access Point

WIS-EAP560-OUTDOOR is an 11ax Wi-Fi standard Qualcomm Chipset high power industrial Outdoor Wireless Access Point support MU-MIMO, Wave2.0, OFDMA, and Seamless Roaming. It complies with 802.11ax, 4*4 MIMO technology, dual-band, up to 5400Mbps data rate; equipped with 2.5G WAN & LAN ports, supports MU-MIMO and DL/UL-OFDMA modulation, faster Ethernet data rate, and more users, then multiple users can upload or download multiple packets at the same time, narrower subcarrier spacing and longer symbol time, improved the stability and data processing efficiency, publicly to be used in high-density access environment such as university campus, concert venue, gymnasium,hotel, industris etc.

WIS-EAP560-OUTDOOR

Superior performance guarantee

WIS-EAP560-OUTDOOR with Qualcomm industrial chipset and adapt to intelligent channel analysis technology chosse the less Wi-Fi interference channel makes wireless transmission faster and more stable.

ABS weather-proof case

WIS-EAP560-OUTDOOR with High Power, more Wi-Fi Range Designed in two line Power Amplifier on PCB board,build in 7dBi omni Wi-Fi antenna,outdoor Wi-Fi range up to 150+ meters. WIS-EAP560-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.

TWT (Target Wake-up Time)

802.11ax support TWT, allowing devices to negotiate when need to wake up, send and receive data. In additional, wireless AP can group the device into different TWT cycles, increase sleep time, reduce the device competing a tier wake-up, and save the device power.

Features

- Comply with IEEE 802.11ax/ac/b/g/n/a, 4*4MU-MIMO, technology Dual band,5400Mbps Data Rate.
- 11AX 4x4, 1*2.5Gbps Ethernet.
  meet with different coustmer's request.
- Support active IEEE 802.3at 48V PoE standard.
- Support SSID broadcasting, Multi SSID up to 8
- 802.11ax support TWT & long OFDM symbol transmission .
- lightning & Surge protecion.
- Remote management,WLAN Controller
- Cloud management System.

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.
Hardware Controller |Cloud Controller | App Based Controller

Lightning protection

The WIS-EAP560-OUTDOOR also comes with Inbuilt lightning & surge Protection This Standard Protects the Outdoor Access Point From Lightning & Over Power.

High-Speed Dual Band Wi-Fi 6

WIS-EAP560-OUTDOOR equips with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion. Wi-Fi 6 (IEEE802.11ax) delivers a huge boost in speed and total capacity and takes your Wi-Fi to the next level while being backwards compatible with IEEE802.11ax/ac/b/g/n/a Wi-Fi standards, optimized for Internet activities requiring high bandwidth, such as HD videos and online gaming.

1024-QAM Modulation Mode

DL/ UL MU-MIMO 802.11ax support both downlink MU-MIMO and uplink MU-MIMO. It can communicate with mulitple end users at the same time, greatly improving the user's uplink transmission rate and the system's uplink and downlink capacity, improving the efficiency of multi-user concurrent scenarios, and reducing the terminal application latency.

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Coverage Improvement

802.11ax support long OFDM symbol transmission mechanism and 2MHz narrowband transmission, effetively reduced the packet loss rate and noise interference, improve the receive sensitivity and increase the WiFi coverage.

Watchdog design, No internet lose

The watchdog chip + circuit design make the equipment with selfinspection 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.

Long wireless coverage

Transfer all kinds of data smoothly ,do not have any latency. WIS-EAP560-OUTDOOR is a high power outdoor wireless with 150+ 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.

Multiple Application Scene

WIS-EAP560-OUTDOOR Gigabit Outdoor wireless AP can be used for outdoor environment where need wireless coverage like Park,School,Mall Scenic point,university campus, concert venue,hotels,corporates etc.

SPECIFICATION

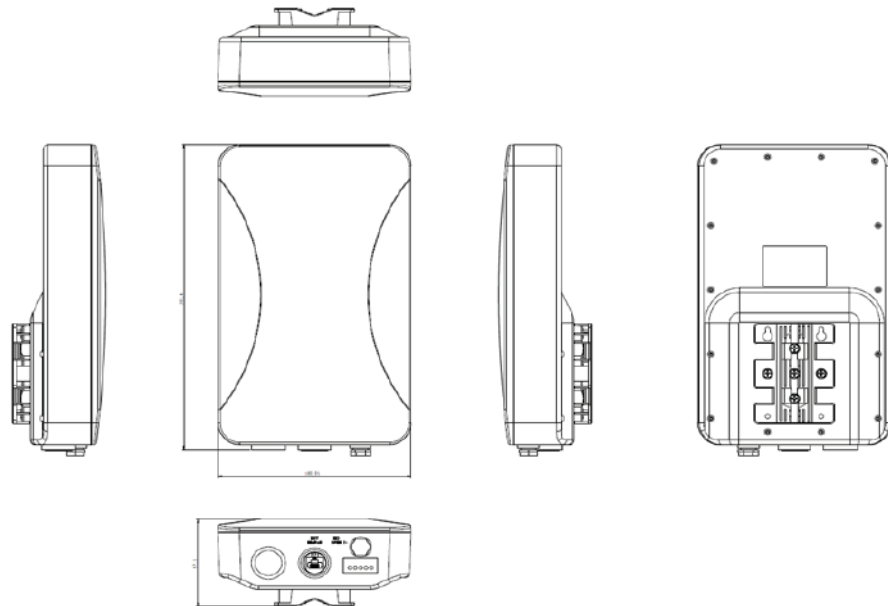|	
Model	WIS-EAP560-Outdoor
Chipset	Qualcomm
Standard	802.11ax/ac/b/g/n/a
DDR3	512MB *1
Flash	NOR-8MB AND NAND-128MB
2.4G Frequency	2.4GHz – 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ax
5.8G Frequency	5.150 GHz~5.850GHz
5.8G Wi-Fi Standard	802.11 a/n/ac/ax
Antenna	2* 2.4G antennas, each gain: 5 dBi
	4* 5.8G antennas, each gain: 7 dBi
Interface	1 * 10/100 /1000/2500Mbps RJ45 WAN Port
	1 * 10/100 / 1000Mbps RJ45 Console Port
	1 * Reset
	1* Bluetooth(optional)
	1 * DC Port
Data Rate	2.4G: 600Mbps (MU-MIMO 2x2)
	5G:4804Mbps (MU-MIMO 4x4)
ppm	+20ppm
LAN	1*10/100/1000/2500M WAN, support POE 48V
Reset	1 * reset button, press 6~10 seconds to restore to factory settings
End Users	250+
RF Power	2.4G ≤ 22dBm
	5.8G ≤ 22dBm
DC	12V/2A
Power	PoE 802.3at, DC2.0 12V/2A
LED light	Sys; 5.8G wifi; 2.4G wifi; WAN; LAN
ESD	15 kV
Lightning Protection	6 kV
Max Power Consumption	≤ 22W
Firmware Specification	
Working Mode	Gateway, AP
wireless function	SSID broadcast
	SSID quantity: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	Hide SSID function
	Wireless encryption: OPEN , WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
	Wireless MAC address filtering: support white list
	Spectrum Navigation (5G Priority)
	WiFi timing off function
	User isolation: isolation between wireless networks, internal isolation of AP
	Transmit power setting
	Wireless client limit
	QoS: WMM
Internet function	Connection method: Static address, obtained from the management server, obtained from the gateway
	DHCP server: either a built-in DHCP server or an external DHCP server
	Cloud platform server
	firewall function
	PPPOE function: support PPPOE dial-up function
device management	Backup configuration information
	Restoring configuration information
	reset
	Restart includes scheduled restart and immediate restart
	firmware upgrade
	Time management including system display time and time synchronization
	system log
	Fat and thin AP switching function

Antenna Specification

Frequency Range	2.4GHz & 5GHz
Impedance	50 Ohms nominal
Gain	5/7dBi
Radiation	Omni
Polarization	Vertical

Packaging Information:

1* WIS-EAP560-OUTDOOR
1* Mounting Kit
Quick Installation Guide
Gift Box

DIMENSIONS

ORDERING INFORMATION

WIS-EAP560-OUTDOOR   11AX 5400Mbps DUAL Band Wi-Fi 6 Outdoor Access Point