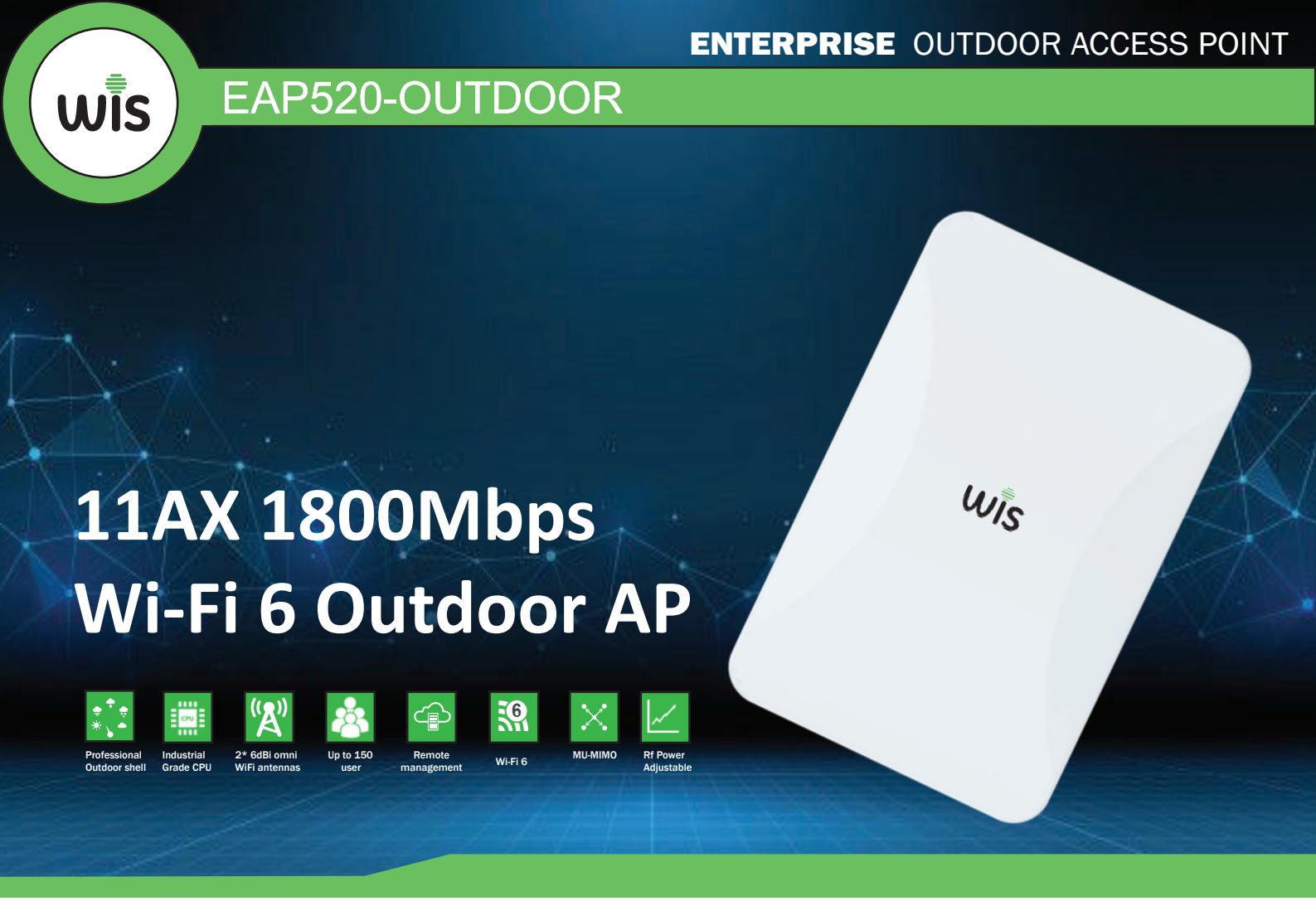
ENTERPRISE OUTDOOR ACCESS POINT

EAP520-OUTDOOR



OVERVIEW

WIS-EAP520 OUTDOOR is an 11ax Wi-Fi standard Outdoor Wireless AP with build in omni antenna with 100+ meters distance, equipped with Qualcomm Chipset, it support MU-MIMO, OFDMA and Seamless Roaming Combined 1800Mbps Wi-Fi speed over 2 radios:2.4GHz (600Mbps 11ax 2*2)+5GHz(1200Mbps 2*2), equipped 1G WAN & LAN ports,support MU-MIMO and DL/UL-OFDMA modulation,fasterEthernet data rate and more users, then multiple users can upload or download multiple packets at same time, narrower sub-carrier 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,Hotels,Wi-Fi city..... etc

FEATURES

- Comply with IEEE 802.11AX/b/g/n,MU-MIMO,technology Dual band,1800Mbps Data Rate.
- 11AX 2x2, 2*10/100/1000 Mbps Ethernet. 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) .
- 802.11ax support TWT & long OFDM symbol transmission .
- IP67 water-proof level,lightning protecion.
- Remote management,WLAN Controller,Cloud management System.

ABS weather-proof case

WIS-EAP520 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, 6dBi omni antenna, more Wi-Fi Range

Designed in two line Power Amplifier on PCB board,build in 6dBi omni Wi-Fi antenna,outdoor Wi-Fi range up to 150+ meters.

Power over Ethernet

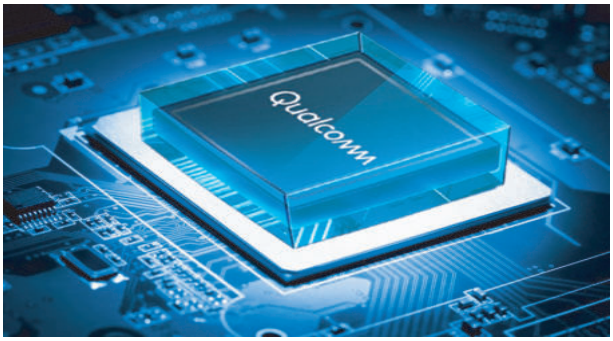
WIS-AP520 Outdoor has integrated active Power over Ethernet (PoE), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure. Pls note, the default is 48V IEEE 802.3at PoE.

802.11AX : 1024-QAM,Long OFDM Symbol,Max 160MHz bandwidth

802.11 AC: 256-QAM

Wireless data rate

1.8Gbps. 802.11ax support 1024QAM, long OFDM symbol, 160M bandwidth and 11ax 2x2 MIMO technology, the wireless data rate up to 1.8Gbps, meet with demand of high-speed applications such as VR/ AR, 4K or 8K stream media.



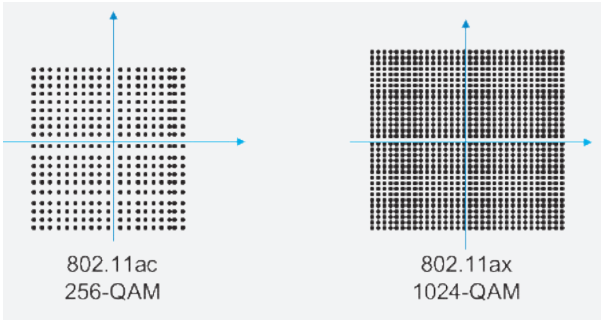
Superior performance guarantee

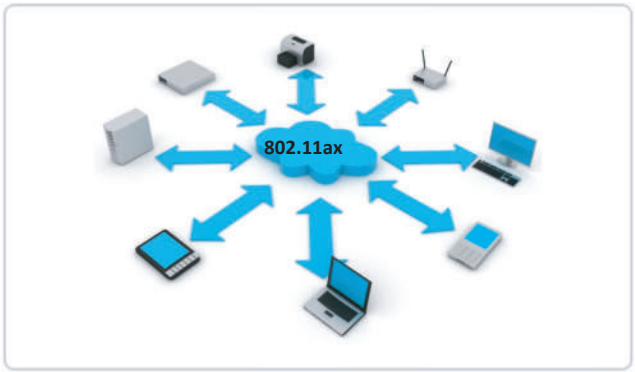
WIS-EAP520 Outdoor with Qualcomm industrial chipset and adapt to intelligent channel analysis technology chosse the less Wi-Fi interference channel makes wireless transmission faster and more stable.

High Speed | Anti Interference | Low Latency | Stable Performance

1024-QAM Modulation Mode

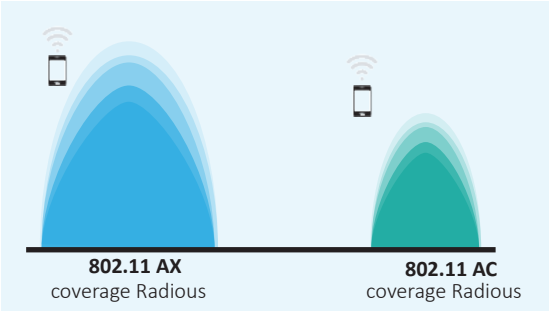
802.11ax adopt 1024-QAM modulation, which is more efficient than 802.11ac modulation, the throughput of single spatial traffic is increased by 25%.





DL/ UL MU-MIMO

11ax support both downlink MU-MIMO and uplink MU-MIMO. It can communicate with multiple 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, reducing the terminal application latency



Coverage Improvement

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

Watchdog design, No internet lose

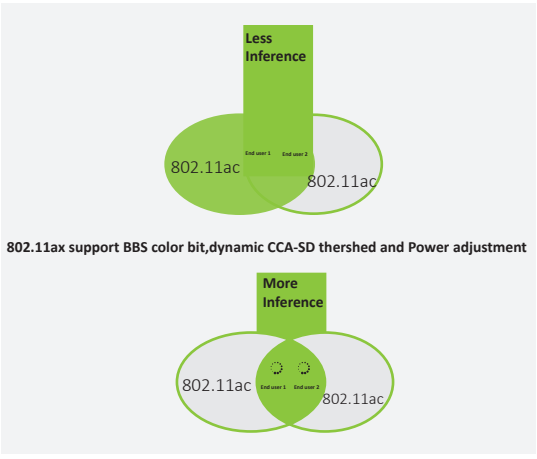
The watchdog chip + circuit design make the equipment with selfinspection in network disconnection, link detection and network backup. When it found that device is disconnected, the watchdog circuit will restart the system automatically to ensure the reliability and safety.

Long wireless coverage

Transfer all kinds of data smoothly ,do not have any latency.WIS-EAP520 Outdoor is a high power outdoor base station 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.

Improvement of Anti-Interference Ability.

802.11ax support BSS color bit and dynamic CCA-SD (Clear Channel Assessment Signal Detection) threshold and power adjustment, effectively alleviates the channel interference in multi-users scenarios, improve the utilization of spectrum resources.



Three ways of WIS Controller Solution

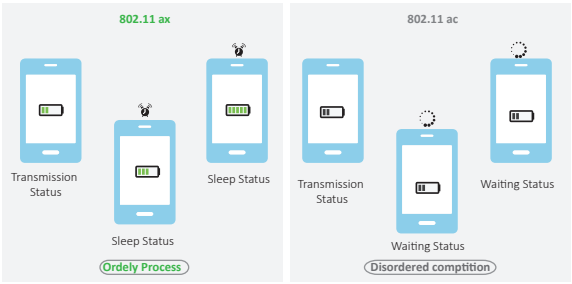
All configuration and management is centrally and effectively operated by WIS cloud Controller.

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

Cloud Controller | App Based Controller | Hardware Controller

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 after wake-up, and save the device power.



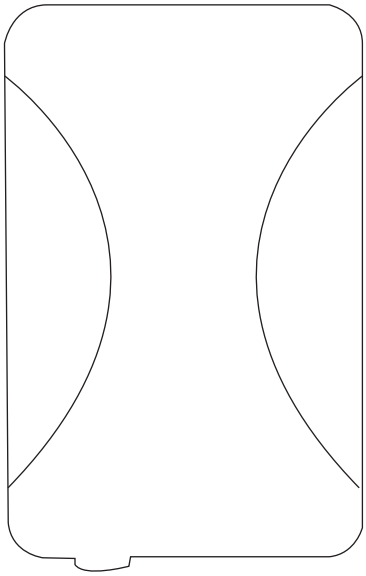
Multiple Application Scene

WIS-EAP520 Outdoor Gigabit ceiling mount wireless Ap can be used for indore enviroment where need wireless coverage like Park,School,village,Mall Scenic point tec.

SPECIFICATION

WIS-EAP520-Outdoor	
Chipset	IPQ6000
Standard	802.11ax/ac/b/g/n
Flash	SPI NOR 8MB (1.8v) + NAND 128MB
DDR3L	512MB
2.4G Frequency	2.4GHz- 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ax
5.8G Frequency	5150~5850MHz
5.8G Wi-Fi Standard	802.11 a/n/ac/ax
Interface	2 * 10/100 /1000 RJ45 WAN/LAN Port
	1 * Reset button, press 10 seconds to revert to default setting
Antenna	Build in omni antenna, 6dBi @ 2.4GHz; 6dBi @ 5.8GHz
Data Rate	1800Mbps
End Users	150+
2.4G RF Power	≤ 24dBm
5.8G RF Power	≤ 24dBm
PoE	48V (IEEE 802.3af/at)
LED light	Sys, WAN
Power Consumption	≤ 24W
Others:	
Environment	Operating Temperature:-20~45 ℃
	Limit working temperature:-30~70 ℃
	Storage Temperature: 0~70 ℃
	Humidity: 5%~95% non-condensing
Mode	11AX HT40 (2.4G)
Upload Link	422.942Mbps
Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms
Gain	6dBi @ 2.4GHz, 6dBi @ 5.8GHz
Polarization	Linear
Package Contents	1800Mbps Dual Band Outdoor access point
	Mounting Material
	Quick Installation Guide

DIMENSIONS



ORDERING INFORMATION

WIS-EAP520-OUTDOOR	11AX 1800Mbps Dual Band Gigabit OUTDOOR Wireless Access Point