

11AX Wi-Fi 6 1800Mbps wall Wireless AP



802.11AX Protocol



Dual Band



Auto channel



120 user



Wave 2.0

RF Power
AdjustableRemote
ManagementCentral
ManagementSeamless
Roaming

OVERVIEW

WIS-EAP520 WALL is an 11ax Wi-Fi standard Chipset in wall Access Point support MU-MIMO, Wave2.0, OFDMA and Seamless Roaming. Combined 1800Mbps Wi-Fi speed over 2 radios: 2.4GHz (600Mbps 11ax 2*2) + 5GHz (1200Mbps 2*2), equipped Gigabit WAN port, support MU-MIMO and DL/UL-OFDMA modulation, faster Ethernet data rate and more users, then multiple users can upload or download multiple packets at 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, etc.

FEATURES

- Comply with IEEE 802.11ax/ac/b/g/n ,MU-MIMO technology.
- Wave2.0 Dual band,1800Mbps Data Rate.
- 11ax 2x2 MU-MIMO technology, 2*10/100/1000 Mbps Ethernet.
- 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 .
- Remote management,WLAN Controller,Cloud management System.

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.

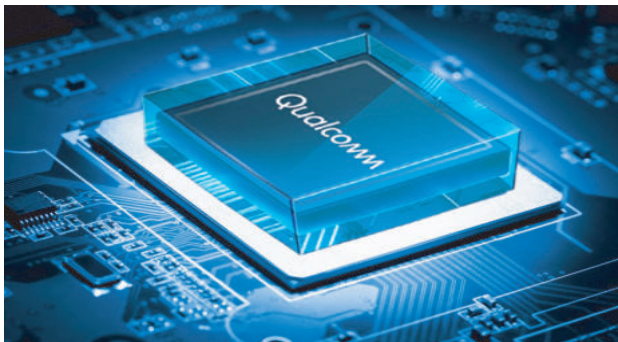
Power over Ethernet

WIS-AP520 Wall 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 802.3af PoE.

Main Features

Wireless data rate up to 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.

802.11AX :	1024-QAM, Long OFDM Symbol, Max 160MHz bandwidth
802.11AC:	256-QAM



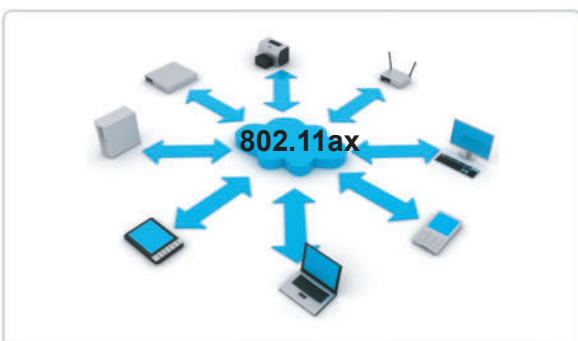
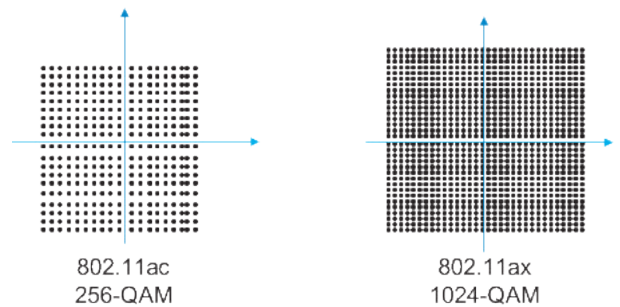
Superior performance guarantee

WIS-EAP520 Wall 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.

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%.

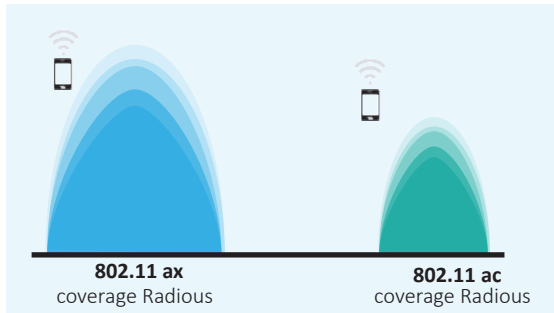
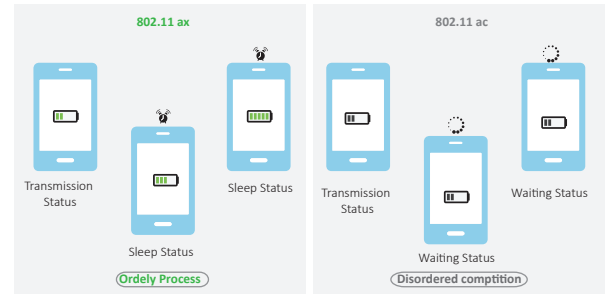


DL/ UL MU-MIMO

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.

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.

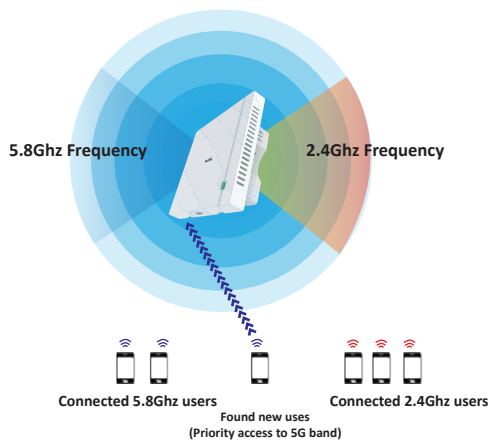


Coverage Improvement

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 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.



5G Prior improved the wireless networking performance

Automatically calculate the load balance and signal strength of 2.4GHz,allocate the users to 5.8GHz pure frequency,ensure the high quality internet experience. 5.8 signal with less WI-FI interfrnce,more bandwidth and faster speed,better WI-FI experience after users connect to 5.8GHz networking.

Seamless Roaming, No Wi-Fi Lose During Moving

Support 802.11kvr seamless roaming ,automatically switch to the stronger wireless singal in satble performance,realize the seamless connection and continuous network.



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



Park School scenic point Mall Village



Multiple Application Scene

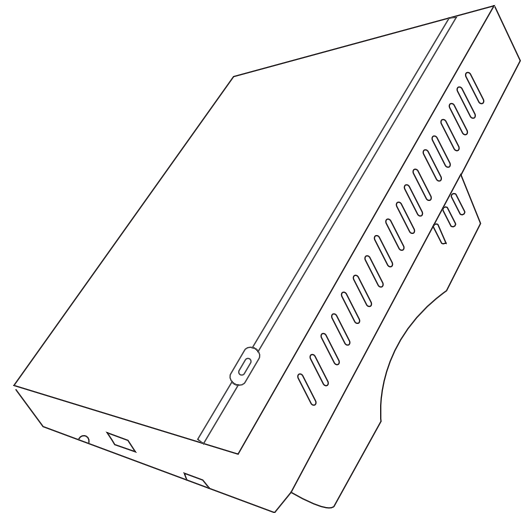
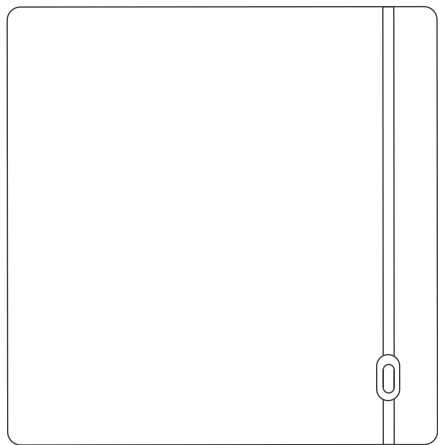
WIS-EAP520 WALL Gigabit ceiling mount wireless Ap can be used for indore enviroment where need wireless coverage like Park,School,village,Mall Scenic point tec.

SPECIFICATION

WIS-EAP520-WALL	
Standard	802.11ax/ac/b/g/n
Flash	SPI NOR 16MB
Memory	128MB
2.4G Frequency	2.4GHz- 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ac/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
	1 * USB Type-C Port
Antenna	2.4G: 2dBi; 5G:4dBi
Data Rate	1800Mbps
End Users	120
RF Power	2.4G≤20dBm; 5.8G≤19dBm
PoE	48V (IEEE 802.3af)
LED light	Sys
Power Consumption	≤ 14W
ESD	±6KV
Size	86mmX86mmX35mm
Antenna Spiecification	
Frequency Range	2.4-2.5GHz
Impedance	50 Ohms nominal
Gain	2dBi
Radiation	Omni
Polarization	Linear

Firmware Specification	
Working Mode	Gateway, AP
Wireless Functions	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
	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
Package Contents	
	1800Mbps Dual Band Wall access point
	Mounting Material
	Quick Installistation Guide

DIMENSIONS



ORDERING INFORMATION

WIS-EAP520-WALL

11AX 1800Mbps DUAL Band GIGABIT Wall Wireless Access Point



*Product specifications and availability are subject to change without notice

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