

**Foredge**

**Dual band AC1200 WIFI 5  
wireless accesspoint  
W35HAP**

**Product Brochure**

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## Product Introduction :

W35HAP is a high-performance, high-speed indoor 11ac wall-mounted panel AP with 2.4G and 5.8GHz dual-band wireless services, providing a cleaner wireless environment and more stable wireless access.



## Product Features :

- **Simultaneous operation of 2.4GHz (300Mbps) and 5GHz (867Mbps) for maximum wireless throughput**
- **Support hardware watchdog function, automatic recovery of abnormal equipment, maintenance-free**
- **The heat sink is treated with a special surface coating, which makes the heat dissipation effect more ideal**
- **Supports 48V PoE power supply**
- **Supports replacement of multiple color covers**

## Specifications :

Specifications	
Product number	W35HAP
CPU	MT7621DAT+MT7615DN
Flash	SPI NOR 8MB
DDR3L	128M
2.4G Antenna	Built-in antenna 2PCS, antenna gain: 2dBi
5.8G Antenna	Built-in antenna 2PCS, antenna gain: 2dBi
2.4G operating frequency band	2.4GHz ~ 2.484GHz
2.4G WIFI transmission protocol	802.11 b/g/n
5G operating frequency band	5.150GHz ~ 5.850GHz
5G WIFI transmission protocol	802.11 a / n / ac /ac
Maximum rate	2.4G provides a maximum access rate of 300Mbps, and 5G provides a maximum access rate of 867Mbps
Maximum supported wireless access	120+

## Specifications :

2.4G wireless power	802.11b	11M	17±2dBm	1M	18±2dBm
	802.11g	54M	16±2dBm	6M	17±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	16±2dBm
5G Wireless Power	802.11a	54M	16±2 dBm	6M	17±2 dBm
	802.11n HT20	MCS7	15±2 dBm	MCS0	16±2 dBm
	802.11n HT40	MCS7	15±2 dBm	MCS0	16±2 dBm
	802.11ac HT80	MCS9	14±2 dBm	MCS0	15±2dBm
2.4G receiving sensitivity	802.11b	11M	-84 dBm	1M	-88 dBm
	802.11g	54M	-72 dBm	6M	-86 dBm
	802.11n HT20	MCS7	-70 dBm	MCS0	-84 dBm
	802.11n HT40	MCS7	-68 dBm	MCS0	-82dBm
5G reception sensitivity	802.11a	54M	-70dBm	6M	-86dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-84dBm
	802.11n HT40	MCS7	-66dBm	MCS0	-82dBm
	802.11ac HT80	MCS9	-56dBm	MCS0	-80dBm
2.4G EVM	802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB;				
5G EVM	802.11a: ≤-25 dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB;				

## Specifications :

Frequency deviation (ppm)	±20ppm
Interface (WAN)	1 10/100/1000Mbps adaptive WAN port, supporting PoE 48V power supply;
Interface (LAN)	1 10/100/1000Mbps adaptive LAN port
External buttons	Reset button (press and hold for 6-10 seconds to restore to factory default settings)
powered by	PoE 802.3af
Maximum power consumption	< 12W
Product Size	86mm*86mm*38.8mm (height of the part outside the wall is 8.5mm)
weight	0.15kg
working environment	Normal operating temperature: -10°C to 40°C; Storage temperature: -40°C to 70°C; Humidity: 5% to 95% (no condensation)
ESD Testing	Air discharge: ±8KV, contact discharge: ±6KV
surge	Common mode 1kV, differential mode 0.5kV

## Software Features :

front page	Working mode: Fat AP mode and Thin AP mode
	Wireless AP download rate, wireless AP upload rate, running time
	Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then uses static IP, DHCP or PPPoE to access the Internet
	AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.
wireless function	SSID Broadcast
	Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	Hide SSID function
	Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
	Wireless MAC address filtering: support whitelist
	Spectrum navigation (5G first)
	WiFi timer off function
	User isolation: isolation between wireless networks and isolation within APs
	Transmit power setting
	Wireless client number limit
QoS: WMM	
Internet function	Connection method: static address, obtained from the management server, obtained from the gateway
	DHCP server: It can be a built-in DHCP server or an external DHCP server
	Cloud Platform Server
	Firewall function
	PPPoE function: Support PPPoE dial-up function
Device Management	Backing up configuration information
	Restore configuration information
	reset
	Restart includes scheduled restart and immediate restart
	Firmware Upgrade
	Time management includes system display time and time synchronization
	System log
Fat and thin AP switching function	

## Networking Solution :

