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Dual band AX3000 WIFI 6 wireless access point W60HAP
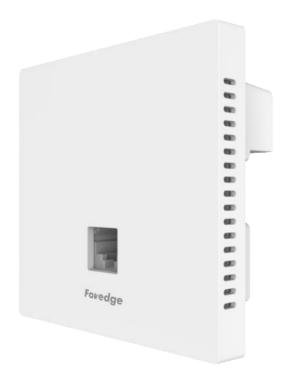
Product Brochure

Product Introduction :

W60HAP is a high-performance, high-speed indoor 11ax wall-mounted panel AP with

2.4G and 5.8GHz dual-band wireless services, providing a cleaner wireless environment

and more stable wireless access.

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Product Features :

- **Simultaneously runs 2.4GHz (574 Mbps) and 5GHz (24.02Mbps) 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	W60HAP
CPU	MT7981B+MT7976 CN +RTL8211FS
Flash	SPI NOR 16MB
DDR3L	256M
2.4G Antenna	Built-in antenna 2PCS, antenna gain: 1.9dBi
5.8G Antenna	Built-in antenna 2 PCS, antenna gain: 2.7dBi
2.4G operating frequency band	2.4GHz ~ 2.484GHz
2.4G WIFI transmission protocol	802.11 b/g/n/ax
5G operating frequency band	5.150GHz ~ 5.850GHz
5G WIFI transmission protocol	802.11 a / n / ac / ax
Maximum rate	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps
Maximum supported wireless access	128+

Specifications :

2.4G wireless power	802.11b	11M	18±2dBm	1M	2 0±2dBm
	802.11g	54M	16±2dBm	6M	18±2dBm
	802.11n HT20	MCS7	1 5±2dBm	MCS0	1 7±2dBm
	802.11n HT40	MCS7	1 5±2dBm	MCS0	1 7±2dBm
	802.11ax HT20	MCS11	1 3±2dBm	MCS0	1 5±2dBm
	802.11ax HT40	MCS11	13±2dBm	MCS0	1 5±2dBm
5G wireless power	802.11a	54M	1 5±2dBm	6M	17±2dBm
	802.11n HT20	MCS7	14±2dBm	MCS0	16±2dBm
	802.11n HT40	MCS7	14±2dBm	MCS0	16±2dBm
	802.11ac HT20	MCS7	13±2dBm	MCS0	15±2dBm
	802.11ac HT40	MCS7	13±2dBm	MCS0	15±2dBm
	802.11ac HT80	MCS9	13±2dBm	MCS0	1 5±2dBm
	802.11ax HT20	MCS11	12±2dBm	MCS0	1 4±2dBm
	802.11ax HT40	MCS11	12±2dBm	MCS0	14±2dBm
	802.11ax HT80	MCS11	12±2dBm	MCS0	14±2dBm
2.4G receiving sensitivity	802.11ax HT 16 0	MCS11	12±2dBm	MCS0	14±2dBm
	802.11b	11M	- 83 dBm	1M	-90dBm
	802.11g	54M	-70dBm	6M	-84dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-83dBm
	802.11n HT40	MCS7	-66dBm	MCS0	-83dBm
	802.11ax HT20	MCS11	-56dBm	MCS0	- 83 dBm

Specifications :

5G reception sensitivity	802.11ax HT40	MCS11	- 53 dBm	MCS0	- 83 dBm
	802.11a	54M	- 70 dBm	6M	- 83 dBm
	802.11n HT20	MCS7	- 67 dBm	MCS0	- 83 dBm
	802.11n HT40	MCS7	- 64 dBm	MCS0	-83dBm
	802.11ac HT20	MCS7	-58dBm	MCS0	-83dBm
	802.11ac HT40	MCS7	-57dBm	MCS0	-83dBm
	802.11ac HT80	MCS9	-56dBm	MCS0	-85dBm
	802.11ax HT20	MCS11	-57dBm	MCS0	- 83 dBm
	802.11ax HT40	MCS11	- 56 dBm	MCS0	- 83 dBm
2.4G EVM	802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB; 802.11ax: ≤-35 dB				
5G EVM	802.11a: ≤-25 dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB;802.11ax: ≤-35 dB				
Frequency deviation (ppm)	±20ppm				
Interface (WAN)	1 10/100/1000Mbps adaptive WAN port, supporting PoE 48V power supply;				
Interface (LAN)	1 10/100/1000M bps adaptive LAN port				
External keys	reset button (press and hold for 6-10 seconds to restore factory default configuration)				

Specifications :

powered by	PoE802.3af
Maximum power consumption	< 1 5W
Status Indicator	SYS light (when 2.4G+5G is turned on: cyan; 5G only: blue; 2.4G only: green; system startup: red)
Product Size	86 mm*86 mm* 42.8 mm (height of the part outside the wall is 10.8 mm)
weight	0.217kg
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 1 kV , differential mode 0.5 kV

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 connects 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

Software Features :

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

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Networking Solution :

AC + FIT AP networking solution

Internet

Converged Gateway

W60HAP — IPC

Mobile phone

W60HAP — Computer

VOIP IP

W60HAP — IPTV

Cloud AP networking solution

Internet

Routing

W60HAP — IPC

Mobile phone

W60HAP — Computer

VOIP IP

W60HAP — IPTV

Routing mode networking

Internet

W60HAP

Mobile phone

Computer

IPTV