

**Foreedge**

**Dual band AC1200 WIFI 5  
wireless access point  
W288AP R2.0**

**Product Brochure**

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## Product Introduction :

W288AP is a high-performance, high-speed indoor 11ac dual-band ceiling AP that provides a maximum access rate of 300Mbps for 2.4G and 866Mbps for 5G.




## Product Features :

- It has better transmission quality, higher transmission rate, and the concurrent rate of the whole machine can reach up to 1200Mbps .
- Supports hardware watchdog function, automatic recovery of abnormal equipment , maintenance-free.
- Elegant appearance design, hidden port housing and beautiful wiring .
- Support 48V PoE , DC Two 12V power supply modes .

## Specifications :

Hardware specifications					
Product number	W288AP R2.0				
Flash	16M				
Memory:	128M				
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 /wave2				
Built-in antenna 2.4G	2 2.4G antennas, each gain: 5dBi				
Built-in antenna 5G	2 5G antennas, each with a gain of 5dBi				
Maximum rate	2.4G provides a maximum access rate of 300Mbps, and 5G provides a maximum access rate of 866Mbps				
2.4G wireless power	802.11b	11M	21±2dBm	1M	23±2dBm
	802.11g	54M	20±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
Interface (WAN)	1 10/100/1000M adaptive WAN port, support 48V POE power supply				
Interface (LAN)	1 10/100/1000M adaptive LAN port				

## Specifications :

5G Wireless Power	802.11a	54M	19±2 dBm	6M	21±2 dBm
	802.11n HT20	MCS7	18±2 dBm	MCS0	20±2 dBm
	802.11ac VHT80	MCS9	16±2 dBm	MCS0	18±2 dBm
2.4G receiving sensitivity	802.11b	11M	-85 dBm	1M	-94 dBm
	802.11g	54M	-72 dBm	6M	-90 dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5G reception sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-58 dBm	MCS0	-80 dBm
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;				
Frequency deviation (ppm) 	±20ppm				
External buttons	Reset button (press and hold for 6-10 seconds to restore to factory default settings)				
Status Indicator	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)				
powered by	DC2.0 12V1 A, PoE 802.3af				
Maximum power consumption	< 1.4 W				
Product size	1.86 mm × 186 mm × 36 mm				
weight	0.36kg				
working environment	Normal operating temperature: -20°C to 45°C; Storage temperature: -40°C to 70°C; Humidity: 5% to 95% (no condensation)				
ESD	Air discharge +/- 8 K, contact discharge +/- 4K				
surge	Common mode 2K, differential mode 1K				

## 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
	Relay mode : In this mode, the device will extend the wireless network signal to other clients or devices, and use an Ethernet cable to connect to other routers to access the WAN.
	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

## Networking Solution :

