

 The image shows the EW-API210 Outdoor Wireless AP. It consists of a white, rectangular main unit with the EWIND logo on the front, and a separate white mounting bracket below it. The bracket has a circular cutout for a cable, a hexagonal port, and a small green LED indicator.	2.4G & 5.8G 3000Mbps IP65 Outdoor Wireless AP 1: MT7981B+MT7976DA+GPY211, 256M DDR3, 16MB Flash, Maximum support for wireless access with 128 users; 2: 1*10/100/1000/2500Mbps (WAN) + 1*10/100/1000Mbps(LAN) Ethernet port; 3: 100 Meters LOS wireless cover range; 4: Support hardware controller managed; 5: Support QVLAN+SSID, Portal,AC controller Managed; 6: Support IP65, weather and dust sealed; 7: Flexible wall or pole mounting options;
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Product Introduction

The **EW-API210** is an outdoor wireless access point built on the **802.11ax (Wi-Fi 6)** standard and operates simultaneously on the **2.4GHz** and **5.8GHz** dual-band frequencies. The 2.4GHz band delivers a maximum data rate of **574Mbps**, while the 5.8GHz band supports up to **2402Mbps**, providing high-speed wireless connectivity for up to **128 concurrent users**.

It comes with a **10/100/1000/2500Mbps** Ethernet interface and supports **48V PoE** remote power delivery.

The 2.4GHz band is the classic frequency range for wireless coverage, known for its stronger penetration and wider coverage radius, offering stable connectivity at up to 574Mbps.

The 5.8GHz band focuses on high-speed, low-interference wireless performance, featuring high transmit power, high gain, enhanced receive sensitivity, wide bandwidth, and low latency. It delivers broader coverage along with higher throughput, improved stability, and better

anti-interference capability.

Designed with an **IP65-rated outdoor enclosure**, the EW-API210 is resistant to wind, rain, dust, and sunlight, and is capable of operating under extreme temperature conditions.

It is equipped with **4 external 4dBi omni-directional antennas supporting 4×4 MIMO**, and allows **both pole-mount and wall-mount installation**. This makes it an excellent solution for outdoor wireless access in environments such as scenic areas, mountainous regions, parks, and city streets..

Technical Specification

Model	EW-API210				
Hardware Configuration					
Main Chip	MT7981B+MT7976DA+GPY211				
DDR3	256M				
Memory	128MB				
Flash	SPI NOR 16MB				
2.4G Frequency	2.4GHz – 2.484GHz				
5G Frequency	5.150GHz ~ 5.825GHz				
Wireless Technology	2.4GHz band: 802.11b/g/n/ax, 2T2R MIMO, theoretical maximum speed up to 574Mbps 5GHz band: 802.11a/n/ac/ax, 2T2R MIMO, theoretical maximum speed up to 2402Mbps				
Dual Band Antenna	4*4dBi				
TX Power	Standard	Data Rate / MCS	Typical TX Power	Minimum TX Power	
2.4G TX Power	802.11b	11M	22±2dBm	1M	22±2dBm
	802.11g	54M	19±2dBm	6M	21±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ax HT20	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	16±2dBm	MCS0	20±2dBm

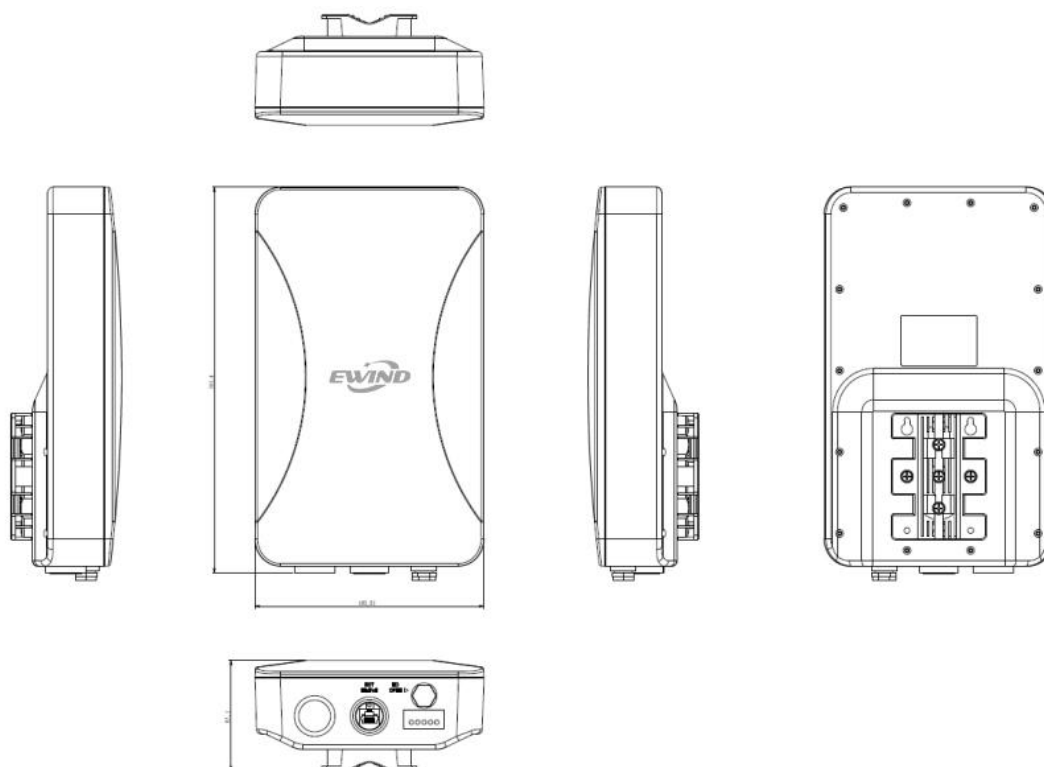
TX Power	Standard	Data Rate / MCS	Typical TX Power	Minimum TX Power	
5G TX Power	802.11a	54M	19±2dBm	6M	21±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ac HT20	MCS7	17±2dBm	MCS0	20±2dBm
	802.11ac HT40	MCS7	17±2dBm	MCS0	20±2dBm
	802.11ac HT80	MCS9	17±2dBm	MCS0	19±2dBm
	802.11ax HT20	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT80	MCS11	16±2dBm	MCS0	19±2dBm
	802.11ax HT160	MCS11	14±2dBm	MCS0	18±2dBm
Rx Sensitivity	Standard	Data Rate / MCS	Typical RX Power	Minimum RX Power	
2.4G Receiving Sensitivity	802.11b	11M	-87dBm	1M	-96dBm
	802.11g	54M	-75dBm	6M	-93dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-89dBm
	802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm
	802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
Rx Sensitivity	Standard	Data Rate / MCS	Typical RX Power	Minimum RX Power	
5G Receiving Sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm
	802.11ac HT20	MCS7	-67dBm	MCS0	-91dBm
	802.11ac HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm

	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4G EVM	802.11b:≤-10 dB; 802.11g:≤-25 dB; 802.11n:≤-28dB ;802.11ax: ≤-35 dB				
5G EVM	802.11a:≤-25 dB; 802.11n:≤-28 dB; 802.11ac:≤-32 dB ;802.11ax:≤-35 dB				
ppm	±20ppm				
Interface	WAN	1*10/100/1000/2500Mbps WAN, support 48V PoE			
	LAN	1*10/100/1000Mbps LAN			
	Buttons	Reset button for factory reset (long press for 6-10seconds to reset)			
	Indicators	PWR、LAN/WAN、LAN、WLAN*4			
	Power	PoE 802.3at			
Max Power Consumption	<18W				
Weight	1.6kg				
Max Power Consumption	<18W				
Operating/Storage Temperature	-20℃～55℃/ -40℃～70℃				
Operating/Storage Humidity	10%～90%(non-condensing) / 5%～95%(non-condensing)				
Dimensions	304mm×181mm×88mm				
Weight	1.6KG				
ESD	Air +/-8K ， Contact +/-6K				
Surge protection	line to ground 4K ， line to line 2K				
WiFi Specification					
Working Mode	Gateway mode Access Point (AP) mode				
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.				
	Support SSID hidden				
	Support seamless roaming				
	Support 5G Prior for a faster Ethernet.				
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, WPA3				
	Support MAC filter				
	Support Wi-Fi time on/off to save energy				
	Support client isolation to improve the wireless stability				
Networking Function	Support RF power adjustable, adjust the RF power based on environment.				
	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				

Software Functions

Capacity	128 Users Maximum
Management mode	English/Chinese WEB remote management
Status	System/Wireless/Real-time traffic
Network	DHCP/Static IP/PPPoE
Wireless	Wireless switch, SSID, encryption, Password, Wireless multimedia, Isolation, Hidden
System	Device name, system upgrade, configuration restore, backup configuration, factory reset, reboot device.

Outer Case



Packing List

CONTENT	QTY	UNIT
802.11AX 3000M Outdoor AP (EW-API210)	1	SET
Strip	2	PCS
User manual	1	PCS