

	2.4G & 5.8G 1200Mbps IP65 Outdoor Wireless AP 1: Chipset MT7628AN + MT7613BEN, 128MB DDR2, 16MB Flash, 500mW High-Power, access 10users; 2: 1*FE (WAN) + 1*FE (LAN) Ethernet port (24V Passive PoE adapter included); 3: 100 Meters LOS wireless cover range; 4: Support hardware controller managed; 5: Support QVLAN+SSID, Portal,AC controller Managed; 6: Support P65, weather and dust sealed; 7: Flexible wall or pole mounting options;
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Product Introduction

The EW-API205 is an outdoor wireless access point that uses the 802.11AC wireless network standard and operates in the 2.4GHz/5.8GHz ISM wireless frequency band. It can meet the demand for high-speed wireless internet access for up to 64 concurrent users. It has a 100Mbps network interface, supports 24V PoE remote power supply and 12V DC local power supply. In 2.4GHz 802.11n mode, it can support up to 300Mbps, and in 5.8GHz 802.11ac mode, it can support up to 867Mbps. The overall wireless speed can reach 1200Mbps.

It features high performance, high power, high gain, high receive sensitivity, high bandwidth, and low latency. It not only covers a wider range but also provides higher wireless transmission performance and stability. The IP65-rated outdoor protective housing design ensures resistance to wind, rain, dust, and sunlight, making it suitable for outdoor environments with extreme temperatures. Equipped with two external 5dBi omni-directional outdoor antennas, it supports pole or wall mount installation, making it an excellent choice for wireless access in outdoor settings such as scenic areas, mountainous regions, and streets.

Features

- 1) EWIND offers cost-effective wireless chips with industrial standard circuitry and resistance to high and low temperatures. The enhanced heat dissipation and optimized airflow prevent overheating issues, ensuring real-time, long-term, stable, and efficient transmission of user network data, thereby enhancing the user experience.
- 2) It supports the 802.11a/b/g/n/ac protocols and provides wireless access speeds of 300Mbps on the 2.4GHz band and 867Mbps on the 5GHz band, offering a total wireless access speed of 1200Mbps.
- 3) Equipped with an external dedicated WiFi RF power amplifier chip, it ensures wider signal coverage, higher rates, and longer transmission distances.
- 4) It supports 24V PoE remote power supply and 12V/1A local DC power supply, providing flexible power options suitable for wireless engineering scenarios with inconvenient power supply, thereby reducing construction costs.
- 5) It comes with an external threaded SMA standard connector and includes a bonus outdoor 5dBi omni-directional antenna. Users can also flexibly match it with other 2.4GHz/5.8GHz dual-band antennas based on different usage environments.
- 6) It features a stylish and space-saving design and supports wall mount or pole mount installation, offering flexibility in installation. It significantly reduces construction difficulty and improves construction efficiency without affecting the original design.
- 7) It is continuously updated with new features and performance enhancements to adapt to various network environments, ensuring an enhanced user experience.

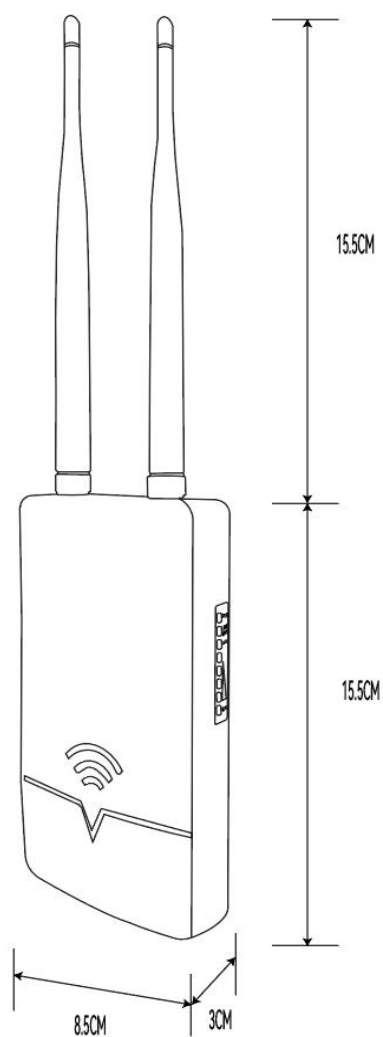
TECHNICAL SPECIFICATION

Model	EW-API205
Hardware Configuration	
Main Chip	MT7628AN + MT7613BEN
Frequency	580MHz
Memory	128MB
Flash	16MB
Wireless Technology	802.11b/g/n 2T2R MIMO technology (theoretical maximum speed of up to 300Mbps) 802.11a/n/ac 2T2R MIMO technology (theoretical maximum speed of up to 867Mbps)

Device Interfaces	WAN PoE*1/LAN*1 10/100Mbps adaptive DC power supply interface, suitable for power plug with outer diameter of 5.5mm, inner diameter of 2.1mm, and length of at least 9.5mm. RP-SMA external threaded and internal pin connectors *2
Buttons	Reset button for factory reset (long press for 6 seconds to reset)
Indicators	PWR、LAN/WAN、LAN、WLAN*4
Antennas	External 2.4G 5dBi outdoor omnidirectional rubber rod antenna *2
Power	24V/0.5A PoE power supply, DC 12V/1A
Operating/Storage Temperature	-40℃ ~ 55℃ / -50℃ ~ 70℃
Operating/Storage Humidity	10% ~ 90%(non-condensing) / 5% ~ 90%(non-condensing)
Dimensions	15.5*8.5*3CM(Excluding antennas, antenna length is 15.5cm)
Weight	0.1KG
WiFi Specification	
Frequency Range	2.4G: 2.4~2.4835GHz 5G: UNII-1: 5.15~5.35GHz UNII-2: 5.47~5.725GHz UNII-3: 5.725~5.825GHz
Channel	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13 5G: 36、40、44、48、52、60、64、149、153、157、161、165
Modulation	802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK, 64-QAM, 256-QAM)
Transmission Rate	11b up 11Mbps, 11g up 54Mbps, 11n up 300Mbps 11ac up 867Mbps

Receiver Sensitivity	2.4G: 11b: < -90±1.5dBm @1Mbps, < -84±1.5dBm dBm@11Mbps 11g: < -86±1.5dBm@6Mbps, < -69±1.5dBm @54Mbps 11n 20MHz: < -85±1.5dBm@MCS0, < -67±1.5dBm @MCS7 11n 40MHz: < -82±1.5dBm @MCS0, < -64±1.5dBm @MCS7 5G: 11a: < -86±1.5dBm @6Mbps, < -69±1.5dBm @54Mbps 11n 20MHz: < -85±1.5dBm@MCS0, < -67±1.5dBm @MCS7 11n 40MHz: < -82±1.5dBm @MCS0, < -64±1.5dBm @MCS7 11ac 20MHz: < -84±1.5dBm @MCS0, < -59±1.5dBm @MCS8 11ac 40MHz: < -82±1.5dBm @MCS0, < -56±1.5dBm @MCS9 11ac 80MHz: < -78±1.5dBm @MCS0, < -52±1.5dBm @MCS9
Transmit Power	11b: 27dBm±1.5dBm@11Mbps 11g: 27dBm±1.5dBm@54Mbps 11n(20/40MHz): 27dBm±1.5dBm@MCS7 11ac(40/80MHz): 27dBm±1.5dBm@MCS9
Software Functions	
Working Mode	AP/Route/MESH
Capacity	64 Users
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.
Advanced configuration	RF configuration, multiple wireless configuration, Scheduled switch, Ping watchdog, Scheduled reboot, Change password, Time management, Diagnostics

Product Dimension(mm)



Packing List

CONTENT	QTY	UNIT
802.11AC 1200M Outdoor AP (EW-API205)	1	SET
Strip	2	PCS
User manual	1	PCS