

Wi-Fi 6 Outdoor Ceiling/Wall Access Point

AX1800 802.11ax Dual-bands 1.8 Gbps

57MM-AP07



For the Best

The 57MM-AP07 Wi-Fi 6 high-power outdoor access point is directional and can mount on the wall or ceiling. Designed for use in scenarios such as stadiums, shopping centres, car parks, schools and other suitable outdoor applications to provide high-speed Wi-Fi to multiple end users. The AP07 can simultaneously work in the 2.4 GHz and 5 GHz frequency bands and supports dual-band dual-stream MU-MIMO. Outdoor high-range Wi-Fi 6 (802.11ax) supporting speeds up to 1775 Mbps (Concurrent, high-speed wireless access of 574Mbps at 2.4GHz and 1201Mbps at 5Ghz)

Features and Benefits

- » Compliant with 802.11a/b/g/n/ac/ax Wi-Fi protocols
- » Free lifetime Ruijie Cloud management: Remote fault alarm, one-click optimizing and maintenance on the Ruijie Cloud app.
- » Featuring 1x gigabit ethernet port, 1x gigabit SFP port
- » Perfect for use in outdoor settings like sports stadiums, parks, car parks, schools, sports grounds, etc.
- » Up to 512 simultaneous users per access point

Ruijie



57MM-AP07 Specifications

Radio	Dual-stream dual-band
Protocol	Concurrent 802.11a/b/g/n/ac/ax
Operating Bands	802.11b/g/n/ac/ax : 2.4G ~ 2.4835GHz 802.11a/n/ac/ax : 5G : 5.150 ~ 5.350GHz , 5.725 ~ 5. (country specific)
Antenna	Internal antennas (2.4G: 4dBi , 5G: 6dBi)
Spatial Streams	2.4G 2x2MIMO 5G 2x2MIMO
Max Throughput	Up to 575Mbps at 2.4G, Up to 1200Mbps at 5G, Totally 1775Mbps per AP
Modulation	DBPSK/DQPSK/CCK(DSSS)/BPSK/QPSK/ 16QAM/64QAM/2 56QAM/1024QAM
Receive Sensitivity	11b : -91dBm(1Mbps) , -88dBm(5Mbps) , -85 dBm(11Mbps) 11a/g : -89dBm (6Mbps) , -80dBm (24Mbps) , -76dBm (36Mbps) , -71dBm (54Mbps) 11n : -83dBm@MCS0 , -65dBm@MCS7 , -83 dBm@MCS8 , -65dBm@MCS15 11ac HT20 : -83dBm (MCS0) , -57dBm (MCS9) 11ac HT40: -79dBm (MCS0), -57dBm (MCS9) 11ac HT80: -76dBm (MCS0), -51dBm (MCS9) 11ax : HE80 : -82dBm (MCS0), -57dBm (MCS9) , -52dBm (MCS11)

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Maximum output power of the transmitter (single stream)	Maximum Output Power of the Transmitter (Single Stream)2.4GHz(2.4-2.483SGHz) : 26dBm SGHz(S.150-5.250GHz,5.725-5.850GHz): 25 dBm (country-specific , comply with local laws)
Adjustable Power	1dBm
Dimensions	298mmx298mmx65mm (excluding mounting kits)
Weight	≤1.35kg (excluding mounting kits)
Service Ports	110/100/1000 Base-T Ethernet port supports PoE IN 1100/1000 Base-X SFP Port
Management Port	NA
LED Indicator	Single indicator (blue light)
Power Supply	802.3af/802.3 at PoE
Power Consumption	≤17W
Environment	Operating Temperature : -40°C ~ 65°C Storage Temperature : -40°C ~ 85°C Operating humidity : 0% ~ 100%, non-condensing Storage humidity : 0% ~ 100% , condensing/non-condensing
Installation	Ceiling/Wall-Mountable
Safety Standard	GB4943, IEC 60950-1
EMC Standard	GB9254, EN301 489 , EN50155 : EN50121
Vibration Standard	IEC61373
Radio Standard	EN300 328 , EN301 893
MTBF	>400000H
WLAN	Maximum number of clients: 512 Recommended number of clients: 100 Up to 8 SSID Support SSID hiding Configuring the authentication mode, encryption mechanism, and VLAN attributes for each SSID SSID-based and radio-based STA limit Support Layer 2 user isolation
Roaming	Support layer 2 and layer 3 roaming
Security	Support PSK authentication Support static blacklist and whitelist Support WPA (TKIP) , WPA2 (AES) ,WPA-PSK data encryption
Routing	Support static IP address, DHCP, PPPoE Dial
Management and Maintenance	Support unified networking of all network equipment Support local or remote management with Ruijie Cloud APP Support local management with web Support remote management with Ruijie Noc Cloud platform
Platform Management Features	Automatic RF adjustment via the platform, Unified configuration via the platform, Unified monitoring via the platform
IP(Ingress Protection)	IP68