

Wi-Fi 6 Outdoor Omnidirectional Access Point AX1800 802.11ax Dual-bands 1.8 Gbps 57MM-AP06

The 57MM-AP06 Wi-Fi 6 outdoor omnidirectional access point is a high-power dual-band access point. Designed for use in caravan parks, town centres, villas, parks, scenic spots, and other suitable outdoor applications to provide high-speed Wi-Fi to multiple end users. The AP06 can simultaneously work in the 2.4 GHz and 5 GHz frequency bands and supports dual-band dual-stream MU-MIMO.

Features and Benefits

- » Outdoor high-range WiFi-6 (802.11ax) supporting speeds up to 1775 Mbps (Concurrent, high-speed wireless access of 574Mbps at 2.4GHz and 1201Mbps at 5Ghz)
- » 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 maximum Wi-Fi coverage range of 100m for 2.4GHz and 300m for 5GHz
- » Perfect for use in outdoor settings like caravan parks, villas, town centres, sports grounds and parks etc
- » Up to 256 simultaneous users per access point

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57MM-AP06 Specifications

Basic Feature	
Wi-Fi Standards	Wi-Fi6 (IEEE 802.11ax), Wi-Fi5 (IEEE 802.11ac Wave2), Wi-Fi4(IEEE 802.11n)
RF Design	2.4 GHz, 2 2, MU-MIMO
5 GHz, 2x2, MU-MIMO	
Max. Wi-Fi Speed	2.4 GHz: 574 Mbps
5 GHz: 1201 Mbps	
Antenna	4
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4 GHz: 3 dBi ,5 GHz: 5 dBi
Transmit Power	≤ 26 dBm(2.4GHz), ≤ 25 dBm(5GHz), country-specific restrictions apply, Myamar/ Thailand: 2400-2483.5MHz ≤ 20dBm, 5150-5350MHz ≤ 23dBm, 5470-5850MHz ≤ 25dBm
Fixed Ports	2 10/100/1000 Base-T
Max. Clients	256, 64(2.4GHz) or 256(Total)
Recommended Clients	100, 11AX Terminal: 16(2.4GHz) + 84(5GHz), 11AC Terminal: 16(2.4GHz)+64(5GHz)
Max. SSIDs	8
Weight	1.05kg (excluding mounting kits)
Service Ports	110/100/1000M/2.SG Base-T Ethernet ports, supports PoE; 1 10/100/1000M Base-T ,Ethernet ports
Management Port	NA

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LED Indicator	Single indicator (green light)
Power Supply	Local power supply, DC 12V/1.5A (Note: The power adapter is sold as an optional accessory), 802.3at PoE (Warning:802.3af or non-standard POE adapter may cause unknown issues. Please use Ruijie POE+ switch or 802.3at POE adapter as power supplier)
Software Feature	
WLAN Basic Features	
SSID Hiding	Support
Power Adjustment	Support
Roaming	Layer 2 roaming, Layer 3 roaming
OFDMA	Support
Target wake time (TWT)*	Support
WMM	Support
Radar Signal Detection and Frequency Hopping	Support
WLAN Security	
Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK;
Blacklist and Whitelist	Support
Enhanced User Experience	
Wi-Fi Optimization	Support
Automatic RF adjustment via the platform	Support
User Isolation	Layer 2 user isolation
STA limit	Support
Removing Low-RSSI STAs	Support
Configuring STAs' RSSI Threshold	Support
Average Speed Threshold	Support
Adjusting Sending Rate of Beacon and Probe Response	Support
Syslog Recording Why Users Lose Connection	Support
Auto Channel and Power Adjustment on Cloud	Support
RSSI Threshold for STA Access	Support
Quick channel adjustment (auto channel selection)	Support
Networks	
Network Access Mode	DHCP Client
VLAN	Support
System	
Cloud Management	Support
App Management	Support
App Upgrade	Layer 2 user isolation
App Restart	Support

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Scheduled Restart	Support
Local Upgrade	Support
Online Upgrade	Support
Factory Reset	Support
WLAN Features	
Frequency Bandwidth	2.4 GHz: 20/40 MHz, 5 GHz: 20/40/80 MHz
Recommended Wi-Fi Coverage Radius	2.4G 50m, 5G 150m
Max. Wi-Fi Coverage Radius	2.4G 100m, 5G 300m
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.483 GHz, 802.11a/n/ac: 5.150 GHz to 5.350 GHz, 802.11a/n/ac/ax: 5.470 to 5.725 GHz , 5.725 to, 5.850 GHz, country-specific restrictions apply
Physical	
LED Indicator	3x system LED indicator
Buttons	1xReset button
Dimensions (W x D x H) Bracket)	200mm x 220mm x 166mm(Without Mounting
Weight	1.2kg(Without Mounting Bracket)
Environmental	
Operating Temperature	-30°C to 65°C
Storage Temperature	-40°C to 85°C
Operating Humidity	0% to 100% (Noncondensing)
Storage Humidity	0% to 100% (Noncondensing)
IP(Ingress Protection)	IP68
Port Surge	4 kV
MTBF	>250000H