

Wi-Fi 6 Outdoor Omnidirectional Access Point AX3000 802.11ax Dual Bands 2.97 Gbps with SFP Fibre Port

57MM-AP12



The 57MM-AP12 Wi-Fi 6 outdoor omnidirectional access point is a high-power outdoor omnidirectional dual-band access point designed for use in scenarios such as caravan parks, town centres, villas, parks, scenic spots, and any other suitable outdoor applications to provide high-speed Wi-Fi to multiple end users. The AP12 features an inbuilt SFP fibre port allowing for long-range deployments from the data centre, up to 20km over single-mode fibre.

3-Year Manufacturer's Warranty

Refer to website for full terms & conditions

Features and Benefits

- » Outdoor high-range Wi-Fi 6 (802.11ax) supporting speeds up to 2976 Mbps (Concurrent, high-speed wireless access of 574Mbps at 2.4GHz and 2402Mbps at 5GHz)
- » Built-in gigabit SFP port supporting up to 20km transmission from datacentre over single-mode fibre for long-range deployment.
- » Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimizing and maintenance on 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
- » Compliant with 802.11a/b/g/n/ac/ax Wi-Fi protocols
- » No cable, no problem, easily install extra APs using Reyee Mesh technology.



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Basic Feature	
Wi-Fi Standards	Wi-Fi 6 (IEEE 802.11ax) Wi-Fi 5 (IEEE 802.11ac Wave 2) Wi-Fi 4 (IEEE 802.11n) IEEE 802.11a IEEE 802.11b/g
MIMO	2.4GHz, 2x2, MU-MIMO 5GHz, 2x2, MU-MIMO
Max. Wi-Fi Speed	2.4GHz: 574Mbps 5GHz: 2402Mbps
Antenna	5
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4 GHz: 3 dBi 5 GHz: 4 dBi
Transmit Power	EIRP: ≤32dBm (2.4GHz) ≤34.7dBm (5GHz) country-specific restrictions apply Myanmar: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5850 MHz ≤ 25 dBm Thailand: 2400 MHz~2483.5 MHz ≤ 20 dBm 5150 MHz~5350 MHz ≤ 23 dBm 5470 MHz~5725 MHz ≤ 25 dBm 5725 MHz~5850 MHz ≤ 30 dBm
Fixed Ports	1 x 10/100/1000 Base-T port 1 x 1 GBase-X SFP port 1 x DC port 1 x Reset button
Max. Clients	512
Recommended Clients	110
Max. SSIDs	8
Recommended Wi-Fi	2.4GHz: 50 meters 5GHz: 150 meters The Wi-Fi coverage is related to the installation environment of the access point.
Max. Wi-Fi Coverage Radius	300 meters
Operation Frequency Bands	802.11b/g/n/ax: 2.400 GHz to 2.4835 GHz 802.11a/n/ac/ax: 5.150 GHz to 5.350 GHz, 5.470 GHz to 5.725 GHz, 5.725 GHz to 5.850 GHz country-specific restrictions apply
Software Feature	
WLAN Basic Features	
Power Adjustment	Yes
Frequency Bandwidth	2.4 GHz: Auto/20/40 MHz 5 GHz: Auto/20/40/80/160 MHz

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Matchmaster
For the Best

Roaming	Layer 2 roaming Layer 3 roaming
OFDMA	Yes
Beamforming	Yes
WMM	Yes
Roaming	Support Layer 2 and Layer 3 roaming
OFDMA	Yes
Beamforming	Yes
WMM	Yes
Radar Signal Detection and Frequency Hopping (DFS)	Yes
WLAN Security	
Max Wi-Fi Password Length	16 Digits
Security Mode	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK
Blacklist and Whitelist	Yes
Enhanced User Experience	
Wi-Fi Optimization	Yes
STA Limit	Yes
Removing Low-RSSI STAs	Yes
Adjusting Sending Rate of Beacon and Probe Response	Yes
Syslog Recording Why Users Lose Connection	Yes
Auto Channel and Power Adjustment on Cloud	Yes
RSSI Threshold for STA Access	Yes
Load Balancing	Yes
Networks	
Network Access Mode	PPPoE Client DHCP Client Static IP
VLAN	Yes
DHCP Server	Yes
Adjusting Sending Rate of Beacon and Probe Response	
System	
Cloud Management	Yes
APP Management	Yes
APP Upgrade	Yes
APP Restart	Yes
Scheduled Restart	Yes

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Default Access/Password	10.44.77.253 No Password Required by Default
Local Upgrade	Yes
Online Upgrade	Yes
Dual-bin Backup	Yes
Factory Reset	Yes
Language	Chinese English
System Log	Yes
Diagnostics	Yes
Network Check	Yes
Physical	
LED Indicator	1 x System LED indicator 1 x Wi-Fi LED indicator 1 x SFP LED indicator 1 x LAN LED indicator
Buttons	1 x Reset button
Dimensions (W x D x H)	230 mm x 230 mm x 195 mm (Without Mounting Bracket)
Weight	≤ 1.4 kg (Without Mounting Bracket)
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
Installation	Wall-Mountable/Pole-Mountable
Mounting Bracket	155mm x 129mm x 35mm
Dimensions (W x D x H)	
Mounting Hole Pattern	65 mm x 110 mm
Mounting Hole Diameter	9 mm
Pole Diameter	NA
Power Supplies	IEEE 802.3bt (Type 3) PoE DC 12V/2A
Power Consumption	≤24W
PoE Power Budget	NA
Environmental	
Operating Temperature	-30°C ~ 65°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	0% ~ 100% Noncondensing
Storage Humidity	0% ~ 100% Noncondensing
IP(Ingress Protection)	IP68
Port Surge	4kV
MTBF	>400000H