

Wi-Fi 6 Access Point AX3000 802.11ax Dual Bands 2.97 Gbps 57MM-AP10



The 57MM-AP10 is a cost-effective ultra high-performance multi-gigabit Wi-Fi 6 ceiling/wall mount access point for covering large indoor areas with gigabit Wi-Fi coverage. Suitable for use in multi-network commercial, hotel and other large indoor environments, the AP10 will provide seamless high-speed bidirectional internet coverage. The AP10 is an AX3000 Wi-Fi 6 dual band ceiling/wall mount Wi-Fi access point supporting 802.11ax with 2.97 Gbps and allows up to 512 users per access point.

Features and Benefits

- » WiFi-6 (802.11ax) supporting speeds up to 2976 Mbps (Concurrent, high-speed wireless access of 574Mbps at 2.4GHz and 2402Mbps at 5Ghz)
- » Compliant with 802.11a/b/g/n/ac/ax Wi-Fi protocols
- » Lifetime free Ruijie Cloud management: Remote fault alarm, one-click optimising and maintenance on the Ruijie Cloud app.
- » Featuring 2 x LAN with one of the ethernet ports upgraded to a multi-gigabit Ethernet (2.5GE) port to break through the bottleneck of transmission performance.
- » Perfect for use in commercial spaces, hotels, car parks, schools etc
- » Up to 512 simultaneous users (per AP)

Ruijie



57MM-AP10 Specifications

| 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: 3 dBi |

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For the Best

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|-----------------------------------|---|
| Transmit Power | <p>EIRP: $\leq 31\text{dBm}$ (2.4GHz) $\leq 32.7\text{dBm}$ (5GHz) country-specific restrictions apply Myanmar: 2400 MHz~2483.5 MHz $\leq 20\text{ dBm}$ 5150 MHz~5350 MHz $\leq 23\text{ dBm}$ 5470 MHz~5850 MHz $\leq 25\text{ dBm}$ Thailand: 2400 MHz~2483.5 MHz $\leq 20\text{ dBm}$ 5150 MHz~5350 MHz $\leq 23\text{ dBm}$ 5470 MHz~5725 MHz $\leq 25\text{ dBm}$ 5725 MHz~5850 MHz $\leq 30\text{ dBm}$ Egypt: 2400 MHz~2483.5 MHz $\leq 20\text{ dBm}$ (EIRP) 5150 MHz~5350 MHz $\leq 20\text{ dBm}$ (EIRP)</p> |
| Fixed Ports | <p>1 x 100/1000/2500 Base-T port 1 x 10/100/1000 Base-T port 1 x DC port 1 x Reset button</p> |
| Max. Clients | 512 |
| Recommended Clients | 110 |
| Max. SSIDs | 8 |
| Recommended Wi-Fi | <p>2.4GHz: 40 meters 5GHz: 70 meters The Wi-Fi coverage is related to the installation environment of the access point</p> |
| Max. Wi-Fi Coverage Radius | 150 meters |
| Operation Frequency Bands | <p>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 Egypt: 802.11b/g/n: 2.4 GHz ~ 2.4835 GHz 802.11a/n/ac: 5.150 GHz ~ 5.350 GHz</p> |
| Software Feature | |
| WLAN Basic Features | |
| Power Adjustment | Yes |
| Frequency Bandwidth | <p>2.4 GHz: Auto/20/40 MHz 5 GHz: Auto/20/40/80/160 MHz</p> |
| Roaming | <p>Layer 2 roaming Layer 3 roaming</p> |
| OFDMA | Yes |
| Beamforming | Yes |
| WMM | Yes |
| Roaming | Support Layer 2 and Layer 3 roaming |
| OFDMA | Yes |

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| 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 |
| 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 |

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| Language | Chinese English |
| System Log | Yes |
| Diagnostics | Yes |
| Network Check | Yes |
| Physical | |
| LED Indicator | 1 x System LED indicator |
| Buttons | 1 x Reset button |
| Dimensions (W x D x H) | 194 mm x 194 mm x 45.1 mm (Without Mounting Bracket) |
| Weight | ≤ 0.65 kg (Without Mounting Bracket) |
| DC Port Dimensions | Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm |
| Installation | Ceiling-Mountable |
| Mounting Bracket Dimensions (W x D x H) | 88 mm x 82 mm x 7.8 mm |
| Mounting Hole Pattern | 53 mm |
| Mounting Hole Diameter | 6.5 mm |
| Pole Diameter | NA |
| Power Supplies | IEEE 802.3at PoE DC 12V/2A |
| Power Consumption | ≤ 18W |
| PoE Power Budget | NA |
| Environmental | |
| Operating Temperature | 0°C to 40°C |
| Storage Temperature | -40°C to 70°C |
| Operating Humidity | 5% to 95% Noncondensing |
| Storage Humidity | 5% to 95% Noncondensing |
| IP(Ingress Protection) | NA |
| Port Surge | 4kV |
| MTBF | >400000H |