

# Wi-Fi 6 Outdoor Omnidirectional Access Point AX6000 802.11ax Dual Bands 5.95 Gbps with SFP Fibre Port and 2.5 GbE 57MM-AP18

The 57MM-AP18 Wi-Fi 6 access point is a high-powered outdoor omnidirectional dual-band access point designed for use in scenarios such as mining camps, 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 AP18 features a 2.5 GbE Base-T port for super high-speed connectivity and an inbuilt GbE SFP fibre port allowing for long-range deployments from the data centre, up to 20km over single mode fibre.

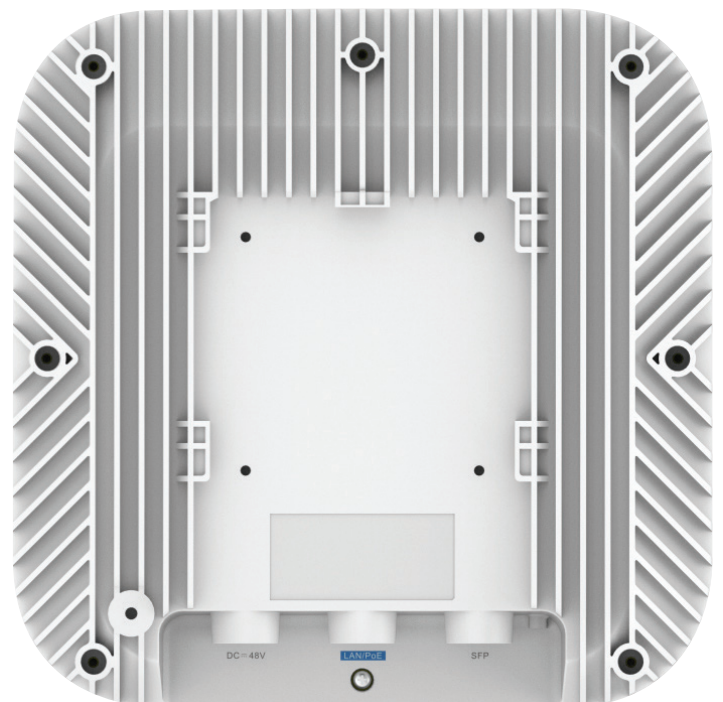
### 3-Year Manufacturer's Warranty

Refer to website for full terms & conditions

### Features and Benefits

- » Outdoor high-range Wi-Fi 6 (802.11ax) supporting speeds up to 5952 Mbps (Concurrent, high-speed wireless access of 51148 Mbps at 2.4GHz and 4804 Mbps at 5GHz)
- » 2.5 GbE Base-T port for super high-speed connectivity plus a built-in gigabit SFP port supporting up to 20km transmission from the data centre 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.
- » The AP18 supports Layer 2 roaming, Layer 3 roaming 802.11k/v/r
- » IP68 rated and operating temperature of 65°C makes the AP18 perfect for use in outdoor settings like mining camps, 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.

\* Power consumption  $\leq$  40W, cannot be powered by standard PoE+ switches or Power Inserter. Please use A PoE++ Switch (IEEE 802.3bt compliant 57MM-SW10P-25), 57MM-APPI-60 Power Inserter or a 48V DC 2 Amp plug pack with 2.1mm x 5.5mm DC jack (centre positive)



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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, 4x4, MU-MIMO 5GHz, 4x4, MU-MIMO
Max. Wi-Fi Speed	2.4GHz: 1147Mbps 5GHz: 4803Mbps
Antenna	8
Antenna Type	Built-In Omnidirectional
Antenna Gain	2.4GHz: 3dBi 5 GHz: 4dBi
Transmit Power	Frequency bands using and the max EIRP: Note: Country specific restrictions apply European Union & United Kingdom 2400-2483.5 MHz, EIRP ≤ 20 dBm 5470-5725 MHz, EIRP ≤ 30 dBm United States: 2400-2483.5 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm 5150-5250 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm 5250-5350 MHz, max output power < 24dBm & EIRP ≤ 30 dBm 5470-5725 MHz, max output power < 24dBm & EIRP ≤ 30 dBm 5725-5825 MHz, max output power ≤ 30dBm & EIRP ≤ 36 dBm Myanmar : 2400-2483.5 MHz, EIRP ≤ 23 dBm 5725-5825 MHz, EIRP ≤ 30 dBm Thailand: 2.4 GHz to 2.4835 GHz: 20 dBm 5.470 GHz to 5.725 GHz: 30 dBm 5.725 GHz to 5.825 GHz: 30 dBm Indonesia: 2400-2483.5MHz, EIRP ≤ 36 dBm 5725-5825MHz, EIRP ≤ 36 dBm Egypt: 2400-2483.5 MHz, EIRP ≤ 20 dBm 5150-5350 MHz, EIRP ≤ 23 dB
	1 x 100/1000/2500 Base-T port 1 x 1GBase-X SFP port 1 x DC port 1 x Reset button
Max. Clients	512
Recommended Clients	130
Max. SSIDs	8
Max. Wi-Fi Coverage Radius	300 meters

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	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
<b>Software Feature</b>	
<b>WLAN Basic Features</b>	
<b>Power Adjustment</b>	Yes
<b>Frequency Bandwidth</b>	2.4 GHz: Auto/20 MHz/40 MHz 5 GHz: Auto/20 MHz/40 MHz/80 MHz/160 MHz
<b>Roaming</b>	Layer 2 roaming Layer 3 roaming 802.11k/v roaming
<b>OFDMA</b>	Yes
<b>Beamforming</b>	Yes
<b>WMM</b>	Yes
<b>Radar Signal Detection and Frequency Hopping (DFS)</b>	Yes
<b>WLAN Security</b>	
<b>Wi-Fi Password</b>	16 Characters
<b>Security Mode</b>	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK
<b>Blacklist and allowlist</b>	Yes
<b>Enhanced User Experience</b>	
<b>Wi-Fi Optimization</b>	Yes
<b>STA Limit</b>	Yes
<b>Removing Low-RSSI STAs</b>	Yes
<b>Adjusting Sending Rate of Beacon and Probe Response</b>	Yes
<b>Syslog Recording Why Users Lose Connection</b>	Yes
<b>Auto Channel and Power Adjustment on Cloud</b>	Yes
<b>RSSI Threshold for STA</b>	
<b>Access</b>	Yes
<b>Load Balancing</b>	Yes
<b>Networks</b>	
<b>Network Access Mode</b>	PPPoE Client DHCP Client Static IP
<b>VLAN</b>	Yes
<b>DHCP Server</b>	Yes
<b>System</b>	
<b>Cloud Management</b>	Yes
<b>APP Management</b>	Yes
<b>APP Upgrade</b>	Yes
<b>APP Restart</b>	Yes
<b>Scheduled Restart</b>	Yes
<b>Default Access/Password</b>	10.44.77.254 The factory status password: admin
<b>Local Upgrade</b>	Yes

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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 status LED
Buttons	1 x Reset hole
Dimensions (W x D x H)	298mm x 298mm x 65mm (3.39 in. x 3.39 in. x 1.67 in.)
Weight	Main Unit: 3.5 kg Mounting Bracket: 1.35kg
DC Port Dimensions	Outer Diameter: 5.5 mm Inner Diameter: 2.1 mm Length: 10 mm
Installation	Wall-Mountable/Pole-Mountable
Mounting Bracket Dimensions (W x D x H)	124 mm x 120 mm x 35 mm
Mounting Hole Pattern	65 mm x 105 mm
Mounting Hole Diameter	9 mm
Power Supplies	IEEE 802.3bt PoE DC 48V/1A
Power Consumption	≤ 40W
PoE Power Budget	NA
Environmental	
Storage Temperature	-40°C ~ 85°C
Operating Temperature	-40°C ~ 65°C
Operating Humidity	0% to 100% RH (non-condensing)
Storage Humidity	0% to 100% RH (non-condensing)
Ingress Protection Rating (IP Rating)	IP68
Surge Protection	4kV
MTBF	>400000 hours