

Wi-Fi 6 Access Point AX1800 802.11ax

Dual-bands 1.8 Gbps

57MM-AP03

The 57MM-AP03 is an ultra-high performance Wi-Fi 6 ceiling/wall mount access point covering large indoor areas with gigabit Wi-Fi coverage. Suitable for use in multi-network commercial, hotel and other large indoor environments, the AP03 will provide seamless high-speed bidirectional internet coverage. The AP03 is an AX1800 Wi-Fi 6 dual band ceiling/wall mount Wi-Fi access point supporting 802.11ax 1.8 Gbps and allows up to 512 users per access point



Features and Benefits

- » Wi-Fi 6 (802.11ax) supports speeds up to 1775 Mbps (Concurrent, high-speed wireless access of 574Mbps at 2.4GHz and 1201Mbps at 5GHz)
- » Supports concurrent 802.11ac wave2, wave1, 802.11a/b/g/n protocols
- » Free lifetime Ruijie cloud management: Remote fault alarm, one-click optimisation and maintenance on the Ruijie cloud app.
- » Featuring 2 x LAN interfaces to provide support to more devices and services.
- » Perfect for use in commercial spaces, hotels, car parks, schools, etc.
- » Up to 512 simultaneous users (per access point)



57MM-AP03 Specifications

Radio	Dual-stream dual-band
Protocol	Concurrent 802.11ac wave2, wave1, 802.11a/b/g/n
Operating Bands	802.11b/g/n/ax, 2.4G ~ 2.4835GHz, 802.11a/n/ac/ax : 5G : 5.150 ~ 5.350GHz , 5.725 ~ 5.850GHz (country specific)
Antenna	Internal antennas (2.4G: 3dBi , 5G: 3dBi)
Spatial Streams	2.4G 2x2MIMO 5G 2x2MIMO
Max Throughput	Up to 574Mbps at 2.4G Up to 1201Mbps at 5G 1.775Gbp per AP
Modulation	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps, DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps, MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM and 256QAM

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For the Best

Receiver Sensitivity	llb : -96d8m (1Mbps) , -93d8m (5Mbps) , -89d8m (11Mbps) lla/g : -91dBm (6Mbps) , -85dBm (24Mbps) , -80d8m (36Mbps) , -74dBm (54Mbps) lln : -90d8m (MCS0) , -70dBm (MCS7) , -89dBm (MCS8) , -68dBm (MCS15) llac : 20MHz : -88dBm (MCS0) , -63dBm (MCS9) llac : 40MHz : -85dBm (MCS0) , -60dBm (MCS9) llac : 80MHz : -85dBm (MCS0) , -60dBm (MCS9) llax : 80MHz : -82dBm (MCS0) , -57dBm (MCS9) , -52dBm (MCS11)
Maximum Transmit Power	5.725-5.850GHz: ≤20dBm (EIRP), 5.150-5.350GHz: ≤20dBm (EIRP), 2.4-2.4835GHz: ≤20dBm (EIRP)
Adjustable Power	1dBm
Dimensions	194mmx194mmx35mm (excluding mounting kits)
Weight	0.56kg (excluding mounting kits)
Service Ports	2 10/100/1000Base-T Ethernet ports, PoE/LAN1 port supports PoE
Management Port	NA
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) 802.3af/802.3at PoE
Power Consumption	≤ 15.3W
Environment	Operating temperature: 0°C-40°C, Storage temperature: -40°C-70°C, Operating humidity: 5%-95% (non-condensing), Storage humidity: 5%-95% (non-condensing)
Installation	Wall-mount, ceiling-mount
Safety Standard	GB4943, IEC 62368-1
EMC Standard	GB9254 , EN301, 489 , EN50121 , EN55032 , EN610 00 , EN55035
Vibration Standard	IEC61373
Radio Standard	EN300 328, EN301 893
MTBF	>400000H
Software Features	
Operating Mode	AP mode and routing mode Maximum number of clients: 110 Recommended number of clients: 40 (8 at 2.4GHz, 32 at 5GHz) Up to 8 SSIDs 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), and WPA-PSK data encryption
Routing	Support static IP address, DHCP, PPPoE Dial Up
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 Cloud platform
Platform management features	Automatic RF adjustment via the platform, Unified configuration via the platform, Unified monitoring via the platform