SMN-A307C

3600Mbps Dual-Band Ceiling AP | Wi-Fi 7

- Ultra-High Speed WiFi 7: Supports 688Mbps @2.4GHz and 2882Mbps @5GHz, with an aggregate throughput of ~3600Mbps for seamless high-bandwidth connectivity.
- Advanced 4096-QAM Modulation: Boosts data transmission efficiency and network throughput beyond previous WiFi standards.
- MLO (Multi-Link Operation): Enables multi-frequency concurrency, enhancing latency, speed, and reliability for next-gen applications.
- 2.5Gbps Ethernet Port: Unlocks full performance potential with a high-speed 2.5G uplink, ideal for modern enterprise networks.
- Flexible Power Options: Supports 802.3at PoE and DC input, allowing for easy deployment in diverse installation scenarios.

The SMN-A307C is a next-generation WiFi 7 indoor ceiling-mounted access point designed for high-speed, high-density wireless networking environments. Featuring dual-band 2×2 MIMO on both 2.4GHz and 5GHz, it delivers blazing-fast performance with a total throughput of nearly 3600Mbps, supporting up to 128 concurrent users.

Hardware Specification:			
CPU	IPQ5312 + QCN6412 + QCA8081 + QCA8337	Power Supply	802.3at PoE or DC 12V/2A
Flash	NAND 128MB	Power Consumption	<20W
Memory	DDR4 512MB	Reset Button	Yes
Antenna	2.4GHz: 2 × 4dBi；5GHz: 2 × 4dBi	Network	WAN: 1 × 10/100/1000/2500Mbps (802.3at PoE supported) LAN: 1 × 10/100/1000Mbps
Dimensions	198mm × 198mm × 37mm	LED Indicators	System (Red), 2.4G (Green), 5G (Blue)
Weight	0.52kg	Operating Temp.	-10° C to 55° C
ESD Protection	Air: ±8kV, Contact: ±6kV	Storage Temp.	-40° C to 70° C
Surge Protection	Common: 2kV, Differential: 1kV	Humidity	5% - 95% (Non-Condensing)

Wireless Specifications:		
Frequency	2.4GHz ~ 2.484GHz	5.150GHz ~ 5.850GHz
Protocol	802.11b/g/n/ax/be	802.11a/n/ac/ax/be
Data Rate	Up to 688Mbps	Up to 2882Mbps
Antenna	2 × 2.4GHz (4dBi)	2 × 5GHz (4dBi)
MIMO	2×2	2×2
Modulation	Up to 4096-QAM	Up to 4096-QAM
Channel Width	Up to 160MHz	Up to 160MHz
Special Features	Supports MLO (Multi-Link Operation), WiFi 7 enhancements	Same as 2.4GHz

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RF Specifications:					
2.4G Power	802.11b	11M	26±2dBm	1M	26±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
5G Power	802.11a	54M	22±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	21±2dBm	MCS0	23±2dBm
	802.11ac VHT20	MCS8	21±2dBm	MCS0	23±2dBm
	802.11ac VHT40	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ac VHT80	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE160	MCS11	20±2dBm	MCS0	22±2dBm
2.4G Receive Sensitivity	802.11b	11M	-87dBm	1M	-94dBm
	802.11g	54M	-75dBm	6M	-88dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-63dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-61dBm	MCS0	-88dBm
5G Receive Sensitivity	802.11a	54M	-75dBm	6M	-90dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac VHT20	MCS8	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-64dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-61dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
2.4G EVM	802.11b:≤-10 dB ； 802.11g: ≤-25 dB ； 802.11n:≤-28 dB； 802.11ax:≤-35 dB				
5G EVM	802.11a:≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac:≤-32 dB； 802.11ax:≤-35 dB				

Firmware Specification:

Working Mode

- Gateway mode
- Access Point (AP) mode

Wireless Functions

- Multiple SSID support: 4 SSIDs per band (2.4GHz & 5GHz)
- SSID hiding support
- Seamless roaming (802.11k/v)
- 5G Prior for faster connectivity
- Wireless Security:OPEN, WPA/WPA2-PSK (TKIP/AES), WPA3-PSK (TKIP/AES)
- MAC address filtering
- Wi-Fi time on/off scheduling for energy saving
- Client isolation to enhance wireless stability
- Adjustable RF power to adapt to environment
- Max 64 users per band

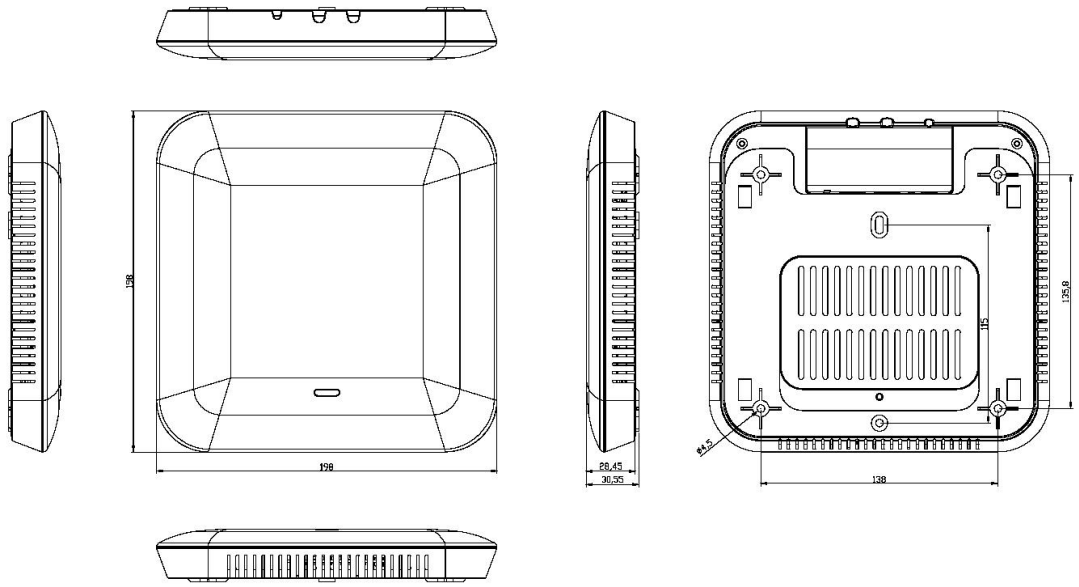
Networking Functions

- VLAN configuration
- Cloud platform access in gateway mode

Device Management

- Configuration backup & restore
- Factory reset support
- Scheduled or immediate reboot
- Admin password modification
- Firmware upgrade
- System log management
- Supports:Web GUI management, AC controller management, Remote management, Cloud platform management

Dimension:



Packing List:

AP	1	Mounting Accessories	1
Lan cable	1	Gift Box	1

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SMN-A306C

3000Mbps Dual-Band Ceiling AP | Wi-Fi 6

- High-speed dual-band performance: Supports 11ax (Wi-Fi 6) with up to 574Mbps at 2.4GHz and 2402Mbps at 5GHz, delivering a total concurrent rate of up to 3000Mbps.
- IPQ5018 chip + 160MHz bandwidth: Ensures powerful processing and wider data lanes, expanding capacity and improving transmission efficiency.
- Supports 120+ users: Ideal for high-density environments such as offices, schools, and public venues.
- Efficient thermal design: Snap-on heatsink structure with special surface coating for enhanced heat dissipation and long-term stability.
- Extended coverage: Equipped with high-power external FEM for a broader wireless range and longer transmission distance.

SMN-A306C is a high-performance, dual-band 802.11ax (Wi-Fi 6) ceiling-mounted access point designed for indoor use. It delivers up to 574Mbps on 2.4GHz and 2402Mbps on 5GHz, with a total throughput of 3000Mbps. Suitable for dense environments, it ensures faster data rates, better coverage, and higher user concurrency.

Hardware Specification:			
CPU	CPU IPQ5018 + QCN6102	Power Supply	DC 12V/2A or PoE 48V (802.3af)
Flash	SPI NOR 8MB + SPI NAND 128MB	Power Consumption	<22W
Memory	DDR3 512MB	Reset Button	Yes
Network	1 × 10/100/1000M WAN port (PoE supported) 1 × 10/100/1000M LAN port		
Dimensions	186mm × 186mm × 36.6mm	LED Indicators	System (Red), 2.4G (Green), 5G (Blue)
Weight	0.55kg	Operating Temp.	-10° C to 45° C
ESD Protection	Air: ±8kV, Contact: ±6kV	Storage Temp.	-40° C to 70° C
Surge Protection	Common: 2kV, Differential: 1kV	Humidity	5% – 95% (Non-Condensing)

Wireless Specifications:		
Band	2.4GHz	5GHz
Frequency	2.4GHz ~ 2.484GHz	5.150GHz ~ 5.850GHz
Protocol	802.11b/g/n/ax	802.11a/n/ac/ax
Data Rate	Up to 574Mbps	Up to 2402Mbps
Antenna	2 × 2.4GHz (4.6dBi)	3 × 5GHz (4dBi)

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RF Specifications:					
2.4G Power	802.11b	11M	26±2dBm	1M	26±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
5G Power	802.11a	54M	22±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	21±2dBm	MCS0	23±2dBm
	802.11ac VHT20	MCS8	21±2dBm	MCS0	23±2dBm
	802.11ac VHT40	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ac VHT80	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE160	MCS11	20±2dBm	MCS0	22±2dBm
2.4G Receive Sensitivity	802.11b	11M	-87dBm	1M	-94dBm
	802.11g	54M	-75dBm	6M	-88dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-63dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-61dBm	MCS0	-88dBm
5G Receive Sensitivity	802.11a	54M	-75dBm	6M	-90dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac VHT20	MCS8	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-64dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-61dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
2.4G EVM	802.11b:≤-10 dB ； 802.11g: ≤-25 dB ； 802.11n:≤-28 dB； 802.11ax:≤-35 dB				
5G EVM	802.11a:≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac:≤-32 dB； 802.11ax:≤-35 dB				

Firmware Specification:

Working Mode

- Gateway mode
- Access Point (AP) mode

Wireless Functions

- Multiple SSID: 2.4GHz – 4 SSIDs; 5.8GHz – 4 SSIDs
- SSID hiding support
- Seamless roaming
- 5G priority for optimized wireless speed
- Wireless Security: OPEN, WPA/WPA2-PSK (TKIP/AES), WPA3-PSK (AES)
- MAC address filtering
- Wi-Fi scheduling (on/off) for power saving
- Client isolation for enhanced stability
- Adjustable RF power (based on environment)
- User limit: up to 64 clients per frequency band

Networking Functions

- VLAN configuration
- Cloud platform access (gateway mode only)

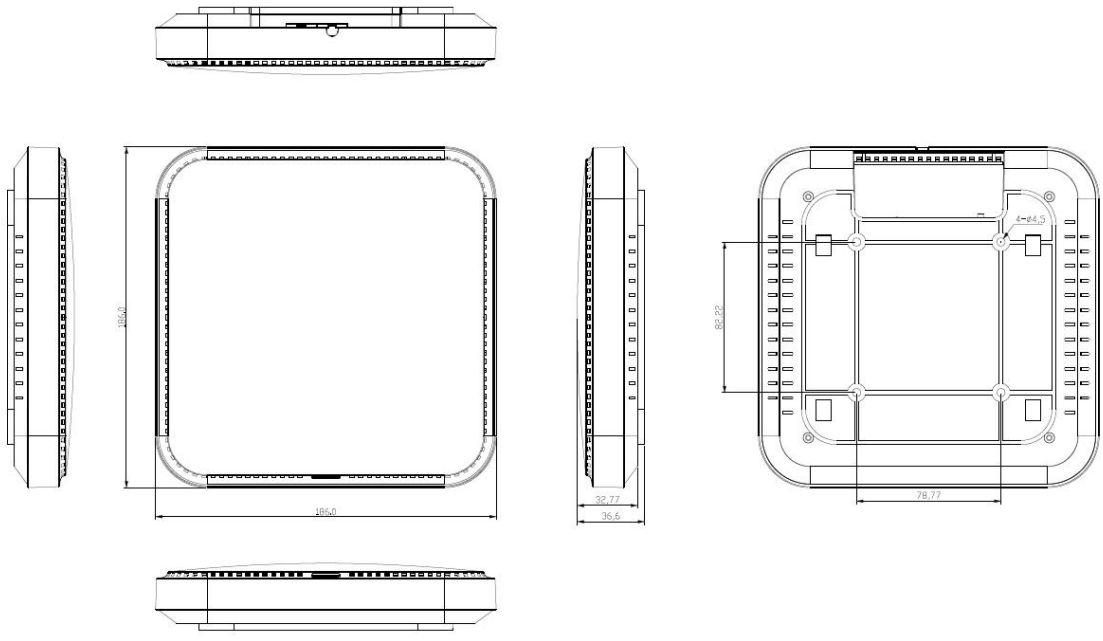
Device Management

- Configuration backup & restore
- Factory reset
- Reboot options (scheduled or manual)
- Admin password modification
- Firmware upgrade
- System log
- Web-based GUI management
- Support for AC controller, remote, and cloud-based management

Protocols

- IPv4

Dimension:



Packing List:

AP	1	Mounting Accessories	1
Lan cable	1	Gift Box	1

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SMN-A106C

3000Mbps Dual-Band Ceiling AP | Wi-Fi 6

- Wi-Fi 6 (802.11ax) compliant for both 2.4GHz and 5GHz bands
- 3000Mbps total wireless throughput (574Mbps + 2402Mbps)
- Dual power supply: 48V PoE & 12V DC
- Built-in hardware watchdog for auto-recovery
- Sleek housing with hidden ports for neat deployment
- Flexible installation for ceiling mount scenarios

SMN-A106C is a high-performance dual-band ceiling wireless access point designed for indoor environments. Powered by the latest Wi-Fi 6 (802.11ax) technology, it supports simultaneous dual-band connectivity with speeds up to 574Mbps at 2.4GHz and 2402Mbps at 5GHz, providing an aggregated wireless rate of up to 3000Mbps. With a sleek design, concealed ports, and dual power input (PoE/DC), it is ideal for enterprise, hotel, campus, and commercial applications.

Hardware Specification:			
CPU	MT7981B + MT7976CN + 7531AE	Power Supply	DC 12V/1.5A or PoE 48V (802.3af)
Flash	16MB SPI NOR	Power Consumption	< 15W
Memory	DDR3 256MB	Reset Button	Yes
Network	1 × 10/100/1000M WAN port (PoE supported) 1 × 10/100/1000M LAN port		
Dimensions	186mm × 186mm × 37mm	LED Indicators	System (Red), 2.4G (Green), 5G (Blue)
Weight	0.55kg	Operating Temp.	-20° C to 55° C
ESD Protection	Air: ±8kV, Contact: ±6kV	Storage Temp.	-40° C to 70° C
Surge Protection	Common: 2kV, Differential: 1kV	Humidity	5% - 95% (Non-Condensing)

Wireless Specifications:		
Band	2.4GHz	5GHz
Frequency	2.4GHz ~ 2.484GHz	5.150GHz ~ 5.850GHz
Protocol	802.11b/g/n/ax	802.11a/n/ac/ax
Data Rate	Up to 574Mbps	Up to 2402Mbps
Antenna	2 × 2.4GHz (4.6dBi)	3 × 5GHz (4dBi)

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RF Specifications:					
2.4G Power	802.11b	11M	23±2dBm	1M	23±2dBm
	802.11g	54M	20±2dBm	6M	22±2dBm
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	802.11n HT40	MCS7	19±2dBm	MCS0	21±2dBm
	802.11ax HT20	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HT40	MCS11	17±2dBm	MCS0	21±2dBm
5G Power	802.11a	54M	20±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	19±2dBm	MCS0	21±2dBm
	802.11ac HT20	MCS8	19±2dBm	MCS0	21±2dBm
	802.11ac HT40	MCS9	19±2dBm	MCS0	21±2dBm
	802.11ac HT80	MCS9	18±2dBm	MCS0	21±2dBm
	802.11ax HT20	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HT40	MCS11	18±2dBm	MCS0	21±2dBm
	802.11ax HT80	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HT160	MCS11	16±2dBm	MCS0	19±2dBm
2.4G Receive Sensitivity	802.11b	11M	-87dBm	1M	-96dBm
	802.11g	54M	-75dBm	6M	-93dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-89dBm
	802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm
	802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
5G Receive Sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm
	802.11ac HT20	MCS8	-67dBm	MCS0	-91dBm
	802.11ac HT40	MCS9	-63dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm
	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4G EVM	802.11b:≤-10 dB；802.11g:≤-25 dB；802.11n:≤-28dB ; 802.11ax: ≤-35 dB				
5G EVM	802.11a:≤-25 dB； 802.11n:≤-28 dB；802.11ac:≤-32 dB ; 802.11ax:≤-35 dB				

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Firmware Specification:

Working Mode

- Gateway mode
- Access Point (AP) mode

Wireless Functions

- Multiple SSID: 2.4GHz – 4 SSIDs; 5.8GHz – 4 SSIDs
- SSID hiding support
- Seamless roaming
- 5G priority for optimized wireless speed
- Wireless Security: OPEN, WPA/WPA2-PSK (TKIP/AES), WPA3-PSK (AES)
- MAC address filtering
- Wi-Fi scheduling (on/off) for power saving
- Client isolation for enhanced stability
- Adjustable RF power (based on environment)
- User limit: up to 64 clients per frequency band

Networking Functions

- VLAN configuration
- Cloud platform access (gateway mode only)

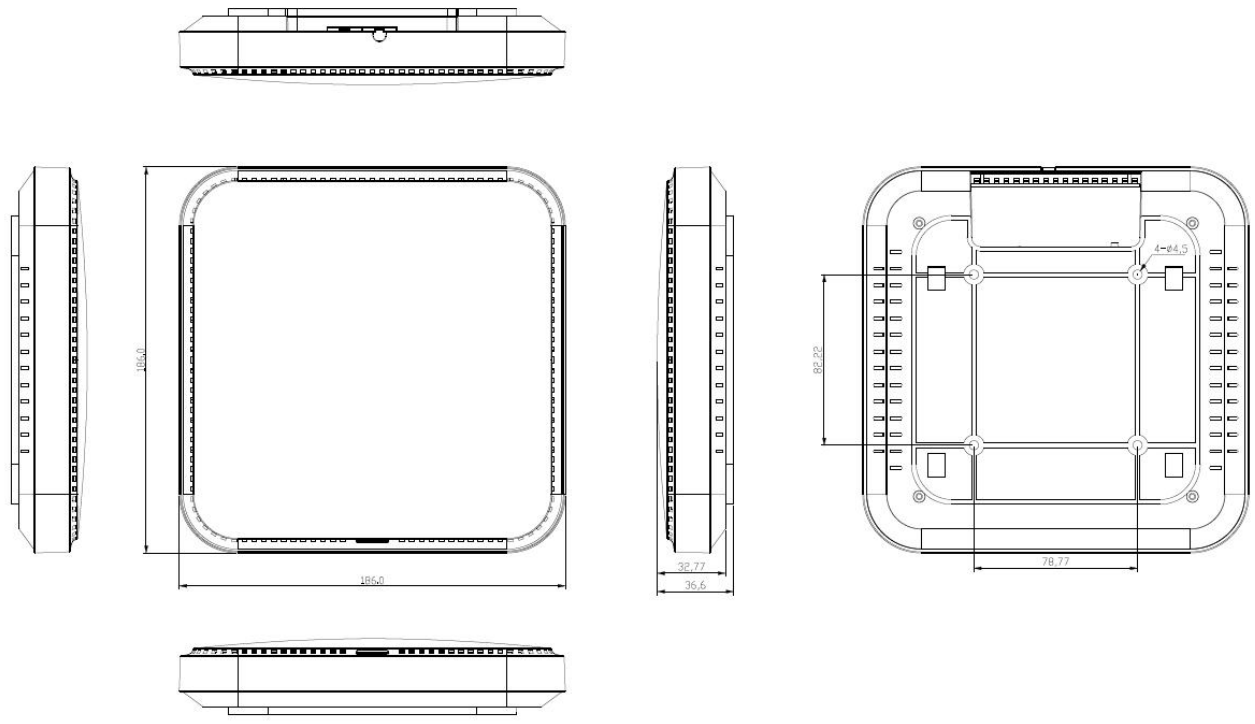
Device Management

- Configuration backup & restore
- Factory reset
- Reboot options (scheduled or manual)
- Admin password modification
- Firmware upgrade
- System log
- Web-based GUI management
- Support for AC controller, remote, and cloud-based management

Protocols

- IPv4

Dimension:



Packing List:

AP	1	Mounting Accessories	1
Lan cable	1	Gift Box	1

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SMN-A105C

1200Mbps Dual-Band Ceiling AP | Wi-Fi 5

- Complies with IEEE 802.11ac/b/g/n standards, 1200Mbps data rate
- Supports IEEE 802.3af PoE (48V)
- Supports up to 8 SSIDs (4 in 2.4GHz and 4 in 5GHz)
- FAT mode supports Gateway (PPPoE, Static IP, Dynamic IP), AP, Repeater, and WISP
- Built-in firewall, IP filter, URL filter, and MAC filter
- Supports RF power adjustment and frequency analysis, complies with IEEE 802.3az standard

The Synway SMN-A105C is a high-performance ceiling-mounted wireless access point that complies with the 802.11ac standard. It supports Wave 2 MU-MIMO technology and delivers a combined 1200Mbps wireless speed (300Mbps on 2.4GHz and 900Mbps on 5GHz), supporting 80+ concurrent users. Ideal for environments like hotels, schools, restaurants, and enterprise offices.

Veritable Gigabit Dual Band Wireless Access Point

- Gigabit WAN/LAN Ports for high-speed wired connections.
- Up to 1200Mbps wireless data rate for fast Wi-Fi performance.
- Beamforming & Seamless Roaming for consistent connectivity.
- 2nd Gen MU-MIMO for better performance with more concurrent users.
- Powered by Qualcomm Industrial CPU for enhanced throughput.

Key Features and Benefits

- FIT & FAT Operation Modes

FIT Mode: Works with Synway WLAN Controller for centralized management and plug-and-play setup, suitable for large-scale enterprise deployments.
FAT Mode: Supports AP, Repeater, Gateway, and WISP modes, configurable via a user-friendly WEB GUI, ideal for home or small-scale setups.

- Durable Design & Enhanced Protection

Crafted with ABS fire-resistant materials and a sleek white finish, the SMN-A105C fits various interior designs. It features a watchdog function for automatic reboot in case of failure, ensuring stability. Additionally, it includes ESD protection, making it suitable for harsh environments.

- PoE Powered for Easy Installation

The SMN-A105C supports IEEE 802.3af PoE for simplified installation, reducing wiring costs and allowing placement in locations without nearby power outlets.

- Zero Configuration & Cloud Management

Supports FIT and FAT modes and integrates with the Synway WLAN Controller for zero-touch configuration (IP, SSID, channel, password, firmware upgrade). It also supports WeChat, Google, SMS, and Facebook authentication and integrates with the Synway Cloud Management System for remote monitoring and management.

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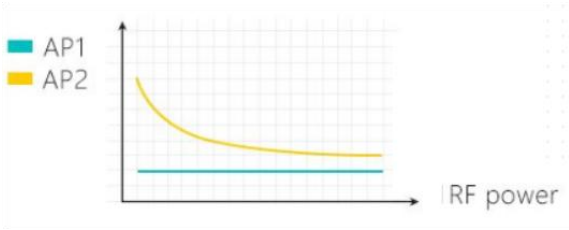
Lower RF power in high-density environments to minimize Wi-Fi interference;
Increase RF power in large open areas to enhance signal coverage and strength.

Before

After



Physical Specification:	
Hardware:	
Chipset	MT7621DAT+MT7615D
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB
Flash	SPI NOR 8MB
Interface	1 * 10/100/1000Mbps RJ45 WAN Port
	1 * 10/100/1000Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 5dBi 2.4GHz MIMO Antenna Build in 4dBi 5.8GHz MIMO Antenna
Size	168mm * 168 mm * 32 mm
POE	48V ⎓ 0.5A
DC	12V ⎓ 1A
LED Indicator	Sys, 2.4G WIF, 5.8G WIFI, LAN, WAN
Max Power Consumption	< 10W
ESD	±6KV
RF Data	
Frequency	2.4G:802.11b/g/n: 2400MHz~2484MHz
	5GHz:802.11a/n/ac: 5150MHz ~5850MHz
Country code	FCC、IC、ETSI、MKK、MKK1、MKK2、MKK3、NCC、RUSSIAN、CN
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM
	DSSS = DBPSK, DQPSK, CCK
Throughput	1200Mbps
RF Power (2.4GHz)	<20dBm
RF Power (5GHz)	<23dBm
PPM	±20ppm
Max Users	128+
Others:	
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
Environment	Operating Temperature: -20~45 ℃ Storage Temperature: -40~70 ℃ Storage Humidity: 5%~95% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System

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Firmware Features:	
Operation mode	Wireless AP: Plug and Play. Gateway: Dynamic IP/Static IP/PPPoE
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4
	Support SSID hidden
	Support SSID broadcast
	Support 5G Prior for a faster Ethernet.
	Wireless Security: OPEN, WPA, WPA2, WPA-PSK, WPA2-PSK
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Short GI Enable and Disable
	Support user quantity limited, Max 128 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4
Antenna Specification	
Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms nominal
Gain	4dBi
Radiation	Omni
Polarization	Vertical
Throughput Testing:	
Mode	11AX HT40 (2.4G)
Upload Link	185Mbps
Download Link	241Mbps
Mode:	11AX HT80 (5.8G)
Upload Link	699Mbps
Download Link	632Mbps

SMN-A106W

3000Mbps Dual-Band Inwall AP | Wi-Fi 6

- Dual-band concurrent transmission: 2.4GHz up to 600Mbps + 5GHz up to 2400Mbps, achieving a combined wireless rate of 3000Mbps.
- Excellent heat dissipation: Specialized surface-coated heat sink ensures stable long-term operation.
- Flexible power options: Supports 48V PoE and 12V DC input for diverse installation needs.
- 1-to-1 port passthrough: Offers seamless network port transparent transmission for direct device connectivity.
- USB 2.0 port: Convenient charging interface for mobile or smart devices.

SMN-A106W is a high-performance dual-band in-wall wireless access point designed for indoor deployment, supporting the latest 802.11ax (WiFi 6) standard. It delivers strong, stable, and high-speed wireless connectivity through both 2.4GHz and 5GHz bands, making it ideal for hotels, apartments, offices, and smart building environments.

Hardware Specification:			
CPU	IPQ5018 + QCN6102 + QCA8337	Power Supply	PoE 802.3at or DC 12V/1.5A
Memory	DDR3L 512MB, NAND 128MB, SPI NOR Flash 8MB	Power Consumption	<18W
Network	WAN: 1 × 10/100/1000Mbps WAN (PoE 48V supported) LAN: 4 × 10/100/1000Mbps		
Passthrough Port	1:1 RJ45 Ethernet passthrough	Reset Button	Yes
USB	1 × USB 2.0	Console Port	Supported
Dimensions	160mm × 86mm × 29mm	LED Indicators	SYS, 2.4G WIFI, 5.8G WIFI, WAN, LAN
Weight	0.26kg	Operating Temp.	-20° C to 40° C
ESD Protection	Air: ±8kV, Contact: ±6kV	Storage Temp.	-40° C to 70° C
Surge Protection	Common: 2kV, Differential: 1kV	Humidity	5% – 95% (Non-Condensing)

Wireless Specifications:		
Frequency	2.4GHz ~ 2.484GHz	5.150GHz ~ 5.850GHz
Protocol	IEEE 802.11b/g/n/ax	IEEE 802.11a/n/ac/ax
Antenna	Internal IPA, Gain: 1.7dBi	External FEM (SKY85791-11), Built-in: 2.9dBi
Data Rate	Up to 600Mbps	Up to 2400Mbps
Modulation	OFDMA, MU-MIMO supported	OFDMA, MU-MIMO supported
ppm	±20ppm	±20ppm

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RF Specifications:					
2.4G Power	802.11b	11M	20±2dBm	1M	20±2dBm
	802.11g	54M	17±2dBm	6M	20±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	19±2dBm
	802.11n HT40	MCS7	16±2dBm	MCS0	19±2dBm
	802.11ax HT20	MCS11	14±2dBm	MCS0	19±2dBm
	802.11ax HT40	MCS11	14±2dBm	MCS0	19±2dBm
5G Power	802.11a	54M	17±2dBm	6M	20±2dBm
	802.11n HT20	MCS7	17±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	16±2dBm	MCS0	20±2dBm
	802.11ac HT20	MCS7	16±2dBm	MCS0	20±2dBm
	802.11ac HT40	MCS7	16±2dBm	MCS0	20±2dBm
	802.11ac HT80	MCS9	16±2dBm	MCS0	20±2dBm
	802.11ax HT20	MCS11	14±2dBm	MCS0	17±2dBm
	802.11ax HT40	MCS11	14±2dBm	MCS0	17±2dBm
	802.11ax HT80	MCS11	14±2dBm	MCS0	17±2dBm
	802.11ax HT160	MCS11	14±2dBm	MCS0	17±2dBm
2.4G Receive Sensitivity	802.11b	11M	-80dBm	1M	-87dBm
	802.11g	54M	-67dBm	6M	-87dBm
	802.11n HT20	MCS7	-67dBm	MCS0	-87dBm
	802.11n HT40	MCS7	-64dBm	MCS0	-87dBm
	802.11ax HT20	MCS11	-55dBm	MCS0	-87dBm
	802.11ax HT40	MCS11	-50dBm	MCS0	-84dBm
5G Receive Sensitivity	802.11a	54M	-69dBm	6M	-87dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-87dBm
	802.11n HT40	MCS7	-65dBm	MCS0	-85dBm
	802.11ac HT20	MCS7	-64dBm	MCS0	-87dBm
	802.11ac HT40	MCS7	-59dBm	MCS0	-84dBm
	802.11ac HT80	MCS9	-55dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-56dBm	MCS0	-87dBm
	802.11ax HT40	MCS11	-52dBm	MCS0	-83dBm
	802.11ax HT80	MCS11	-50dBm	MCS0	-81dBm
	802.11ax HT160	MCS11	-47dBm	MCS0	-78dBm
2.4G EVM	802.11b: ≤-10 dB； 802.11g: ≤-25 dB； 802.11n: ≤-28dB； 802.11ac: ≤-32 dB； 802.11ax: ≤-35 dB				
5G EVM	802.11a: ≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac: ≤-32 dB; 802.11ax: ≤-35 dB				

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Firmware Specification:

Working Mode

- Gateway mode
- Access Point (AP) mode

Wireless Functions

- Multiple SSID: 4 SSIDs per band (2.4GHz & 5GHz)
- SSID Hiding Support
- Seamless roaming with 802.11k/v/r
- 5G Preferred Access
- Wireless Security: Open, WPA, WPA2-PSK (TKIP/AES), WPA2-EAP, 802.1x
- MAC Address Filtering
- Wi-Fi Scheduling (On/Off Timer)
- Client Isolation for enhanced wireless stability
- Adjustable RF Power
- User Access Control: Max 64 users per band

Networking Functions

- VLAN configuration
- Cloud platform access in gateway mode

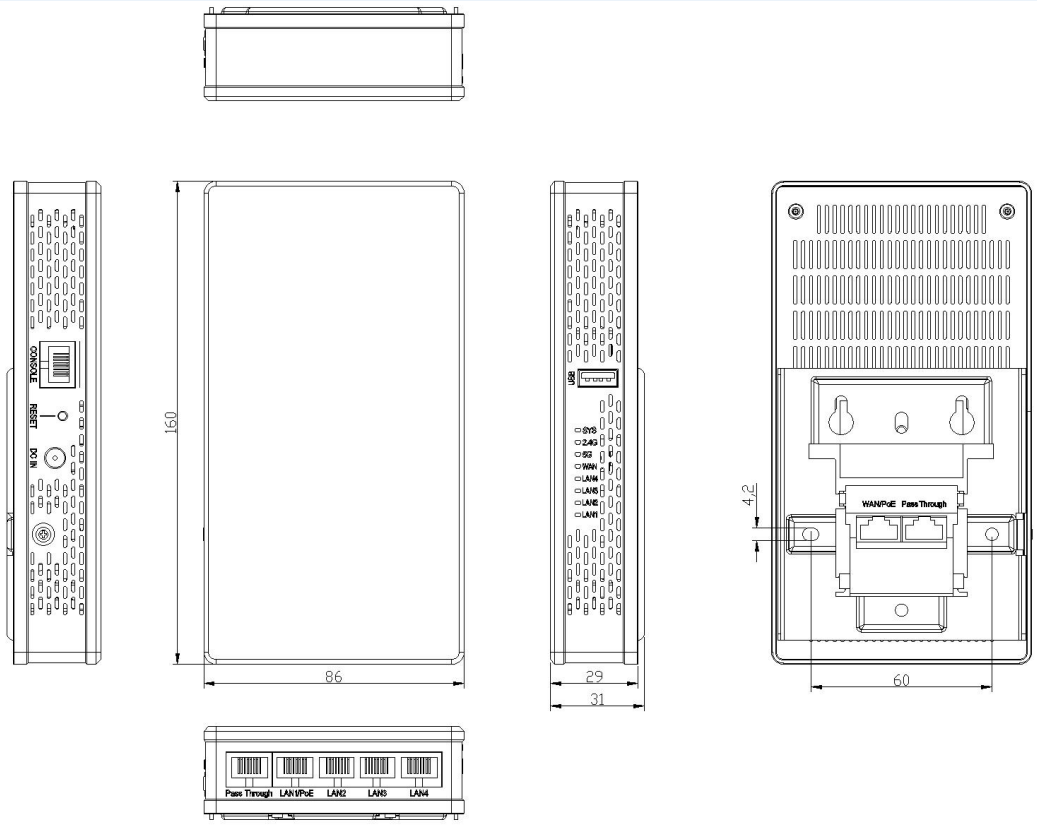
Device Management

- Configuration Backup and Restore
- Factory Reset
- Scheduled and Manual Reboot
- Admin Password Management
- Firmware Upgrade
- System Log
- Management Methods: Web GUI, AC Controller, Remote Management, Cloud Management

Supported Protocols

- IPv4

Dimension:



Packing List:

AP	1	Screw	3

SMN-A105W

3000Mbps Dual-Band Inwall AP | Wi-Fi 6

- Dual-band concurrent: 2.4GHz (574Mbps) + 5GHz (1201Mbps), total throughput up to 1775Mbps.
- Compliant with IEEE 802.11ax (Wi-Fi 6), delivering better coverage and higher efficiency.
- Integrated hardware watchdog, enabling automatic recovery for maintenance-free operation.
- Optimized heat dissipation design with special surface coating for long-term stability.
- Supports 48V PoE for simplified and flexible installation.

SMN-A105W is a compact, high-performance in-wall 11ax wireless access point designed for indoor deployment. It supports dual-band concurrent Wi-Fi services on 2.4GHz and 5.8GHz, delivering faster and more stable wireless connections, ideal for hotel rooms, dormitories, and offices.

Hardware Specification:			
CPU	IPQ5018 + QCN6102 + QCA8337	Power Supply	PoE 802.3at or DC 12V/1.5A
Memory	DDR3L 512MB, NAND 128MB, SPI NOR Flash 8MB	Power Consumption	<18W
Network	WAN: 1 × 10/100/1000Mbps WAN (PoE 48V supported) LAN: 4 × 10/100/1000Mbps		
Passthrough Port	1:1 RJ45 Ethernet passthrough	Reset Button	Yes
USB	1 × USB 2.0	Console Port	Supported
Dimensions	160mm × 86mm × 29mm	LED Indicators	SYS, 2.4G WIFI, 5.8G WIFI, WAN, LAN
Weight	0.26kg	Operating Temp.	-20° C to 40° C
ESD Protection	Air: ±8kV, Contact: ±6kV	Storage Temp.	-40° C to 70° C
Surge Protection	Common: 2kV, Differential: 1kV	Humidity	5% – 95% (Non-Condensing)

Wireless Specifications:		
Frequency	2.4GHz ~ 2.484GHz	5.150GHz ~ 5.850GHz
Protocol	IEEE 802.11b/g/n/ax	IEEE 802.11a/n/ac/ax
Antenna	Internal IPA, Gain: 1.7dBi	External FEM (SKY85791-11), Built-in: 2.9dBi
Data Rate	Up to 600Mbps	Up to 2400Mbps
Modulation	OFDMA, MU-MIMO supported	OFDMA, MU-MIMO supported
ppm	±20ppm	±20ppm

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RF Specifications:					
2.4G Power	802.11b	11M	18±2dBm	1M	20±2dBm
	802.11g	54M	16±2dBm	6M	18±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
	802.11ax HT20	MCS11	13±2dBm	MCS0	15±2dBm
	802.11ax HT40	MCS11	13±2dBm	MCS0	15±2dBm
5G Power	802.11a	54M	15±2dBm	6M	17±2dBm
	802.11n HT20	MCS7	14±2dBm	MCS0	16±2dBm
	802.11n HT40	MCS7	14±2dBm	MCS0	16±2dBm
	802.11ac HT20	MCS7	13±2dBm	MCS0	15±2dBm
	802.11ac HT40	MCS7	13±2dBm	MCS0	15±2dBm
	802.11ac HT80	MCS9	13±2dBm	MCS0	15±2dBm
	802.11ax HT20	MCS11	12±2dBm	MCS0	14±2dBm
	802.11ax HT40	MCS11	12±2dBm	MCS0	14±2dBm
	802.11ax HT80	MCS11	12±2dBm	MCS0	14±2dBm
	802.11ax HT160	MCS11	12±2dBm	MCS0	14±2dBm
2.4G Receive Sensitivity	802.11b	11M	-83dBm	1M	-90dBm
	802.11g	54M	-70dBm	6M	-84dBm
	802.11n HT20	MCS7	-68dBm	MCS0	-83dBm
	802.11n HT40	MCS7	-66dBm	MCS0	-83dBm
	802.11ax HT20	MCS11	-56dBm	MCS0	-83dBm
	802.11ax HTs40	MCS11	-53dBm	MCS0	-83dBm
5G Receive Sensitivity	802.11a	54M	-70dBm	6M	-83dBm
	802.11n HT20	MCS7	-67dBm	MCS0	-83dBm
	802.11n HT40	MCS7	-64dBm	MCS0	-83dBm
	802.11ac HT20	MCS7	-58dBm	MCS0	-83dBm
	802.11ac HT40	MCS7	-57dBm	MCS0	-83dBm
	802.11ac HT80	MCS9	-56dBm	MCS0	-85dBm
	802.11ax HT20	MCS11	-57dBm	MCS0	-83dBm
	802.11ax HT40	MCS11	-56dBm	MCS0	-83dBm
	802.11ax HT80	MCS11	-53dBm	MCS0	-82dBm
	802.11ax HT160	MCS11	-51dBm	MCS0	-88dBm
2.4G EVM	802.11b: ≤-10 dB ； 802.11g: ≤-25 dB ； 802.11n: ≤-28dB ;802.11ax: ≤-35 dB				
5G EVM	802.11a: ≤-25 dB ； 802.11n: ≤-28 dB ； 802.11ac: ≤-32 dB; 802.11ax: ≤-35 dB				

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Firmware Specification:

Working Mode

- AP（FAT/FIT）

Wireless Functions

- Multiple SSID functions: 2.4GHz: 4； 5.8GHz: 4
- Support SSID hidden
- Support 5G Prior for a faster Ethernet
- Wireless Security: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
- Support MAC filter
- Support Wi-Fi time on/off to save energy
- Support client isolation to improve the wireless stability
- Support RF power adjustable, adjust the RF power based on environment
- QoS: WMM
- Support user quantity limited, Max 64 users to access each band

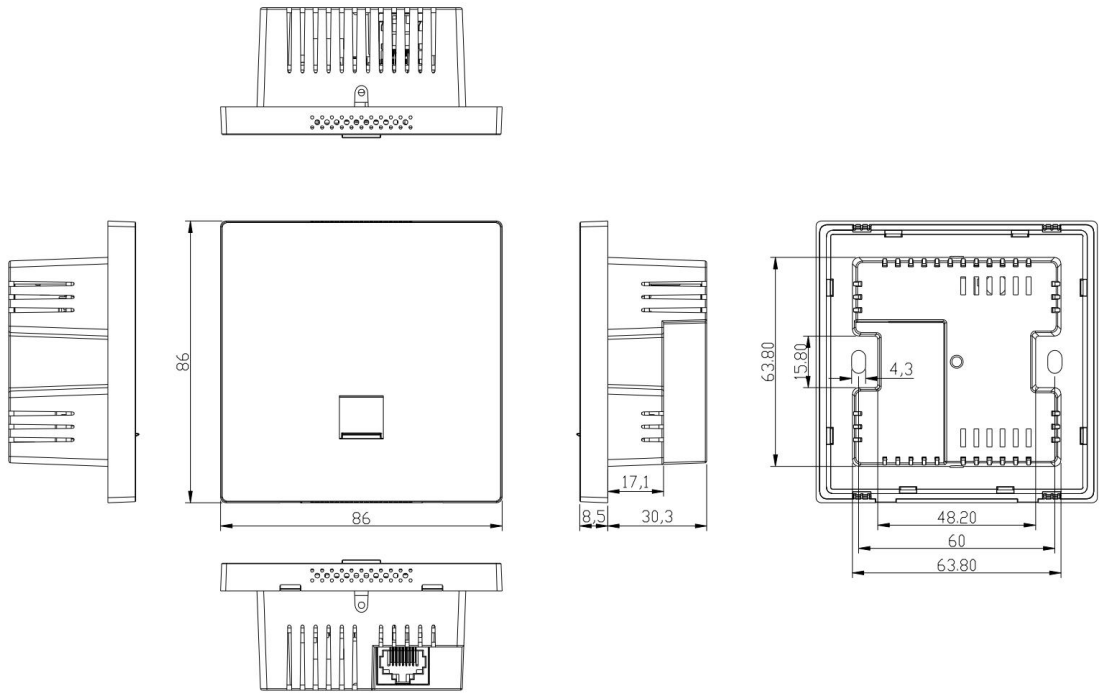
Networking Functions

- VLAN settings
- Cloud access support in FAT mode

Device Management

- Back-up the configuration
- Restore the configuration
- Reset to factory default
- Reboot the device: including time reboot or reboot immediately
- Admin management password modify
- Firmware upgrade
- System log
- Support firmware GUI web management, AC controller management, remote management and cloud management

Dimension:



Packing List:

AP	1	Screw	2	Gift box	1

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