

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

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				

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

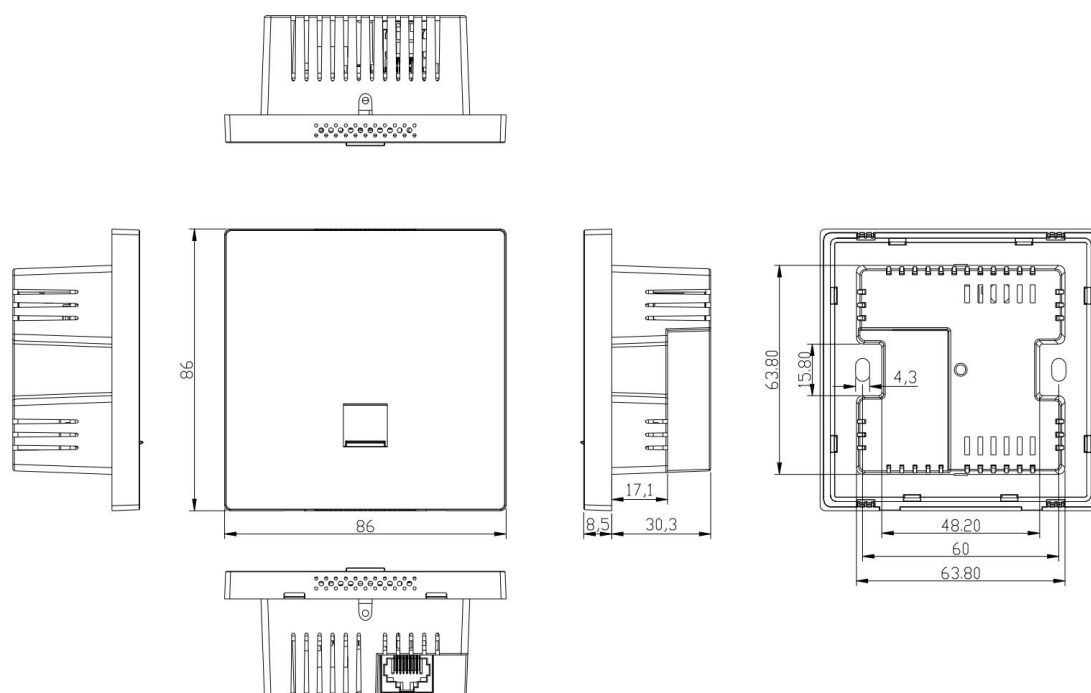
Networking Functions

- 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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