

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

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				

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

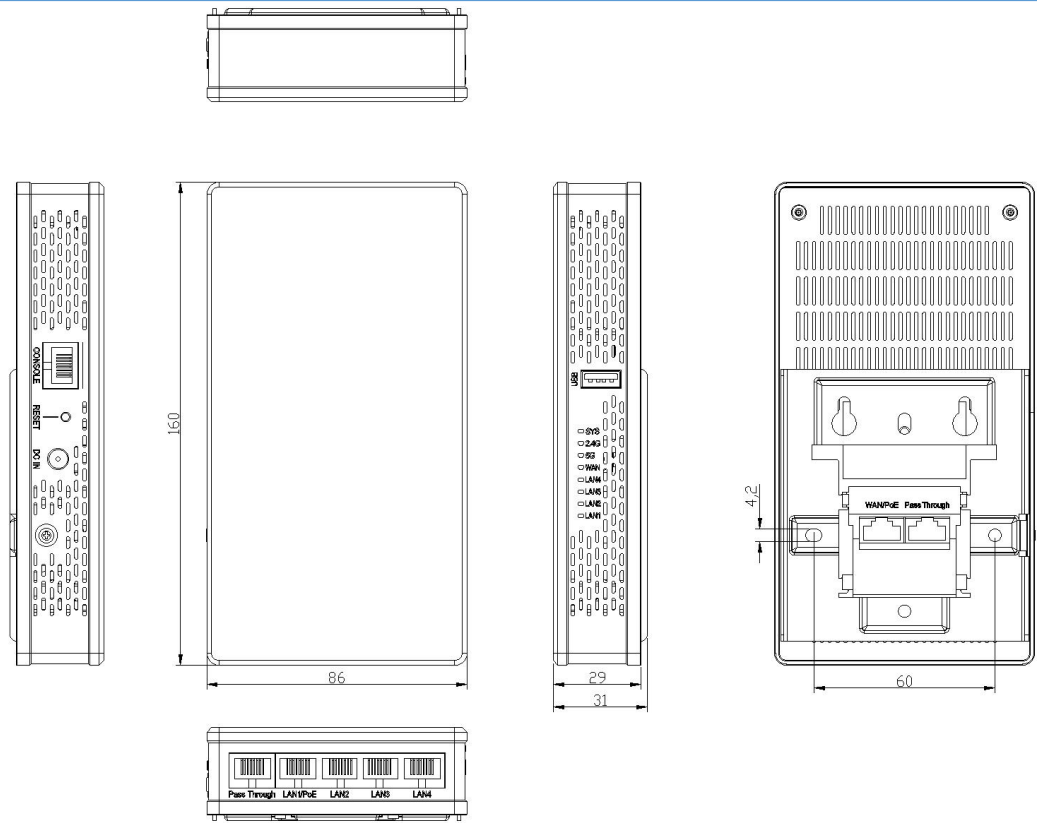
Device Management

- 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
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