

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)

RF Specifications:					
2.4G Power	802.11b	11M	23±2dBm	1M	23±2dBm
	802.11g	54M	20±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
	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				

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)

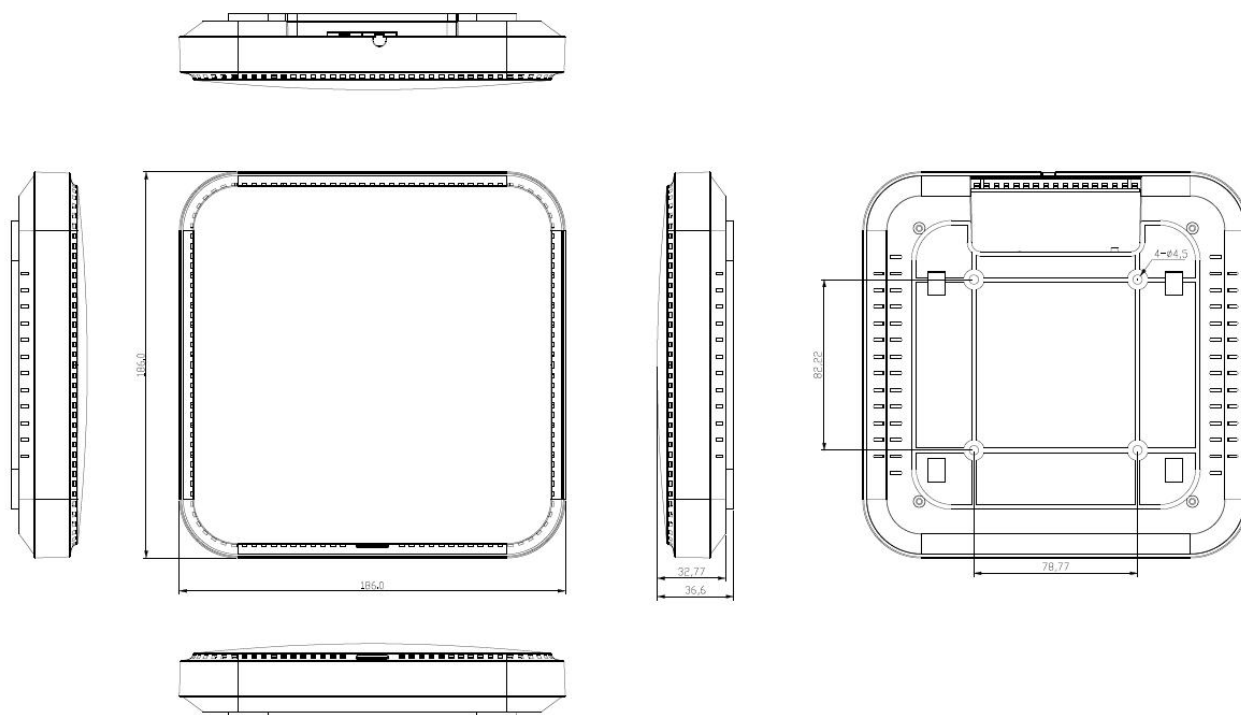
Device Management

- 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