

Product Specification

Model: AX835



1、 Brand and manufacturer

Brand: LINBLENET

Manufacturer: Shenzhen Libtor Technology Co., Ltd.

LOGO: LINBLENET

2、 Model and version

Model: AX835

Version: V1.0

3、 Overview and features

Overview

The AX835 is a high-performance Wi-Fi 6 (802.11ax) indoor dual-band ceiling access point. It provides concurrent 2.4 GHz and 5 GHz wireless service, with up to 574 Mbps on the 2.4 GHz band and up to 2402 Mbps on the 5 GHz band.

Features

- Higher link quality and throughput — up to 3000 Mbps concurrent data rate.
- Hardware watchdog — the device recovers automatically, maintenance free.
- Slim ceiling housing with hidden ports for tidy cabling.
- Powered by 48 V PoE or DC 12 V.

4、 Specifications

Hardware					
Model	AX835				
CPU	MT7981B+MT7976CN+7531AE				
Flash	SPI NAND 128MB				
DDR3	256M				
2.4 GHz frequency band	2.4GHz ~ 2.484GHz				
2.4 GHz Wi-Fi protocol	802.11 b / g / n / ax				
5 GHz frequency band	5.150GHz ~ 5.850GHz				
5 GHz Wi-Fi protocol	802.11 a / n / ac / ax				
Internal 2.4 GHz antennas	2 × 2.4 GHz antennas, 4.6 dBi each				
Internal 5 GHz antennas	3 × 5 GHz antennas, 4 dBi each				
Max. data rate	574 Mbps (2.4 GHz) / 2402 Mbps (5 GHz)				
Max. concurrent clients	120+				
2.4 GHz TX 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
5 GHz TX 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
2.4 GHz RX 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
5 GHz RX 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				
Frequency offset (ppm)	±20ppm				
WAN interface	1 × 10/100/1000 Mbps auto-sensing WAN port, 48 V PoE powered				
LAN interface	1 × 10/100/1000 Mbps auto-sensing LAN port				
Buttons	Reset — hold 6–10 s to restore factory defaults				
LED indicators	WAN, LAN and tri-colour system LED (SYS red, 2.4 GHz green, 5 GHz blue)				
Power input	DC2.0 12V  1.5A, PoE 802.3af				
Max. power consumption	< 15W				

Dimensions	186mm × 186mm × 37mm
Weight	0.55kg
Environment	Operating: -10 °C to 45 °C; storage: -40 °C to 70 °C; humidity 5%–95% (non-condensing)
ESD	Air ±8 kV, contact ±6 kV
Surge	Common mode 2 kV, differential mode 1 kV

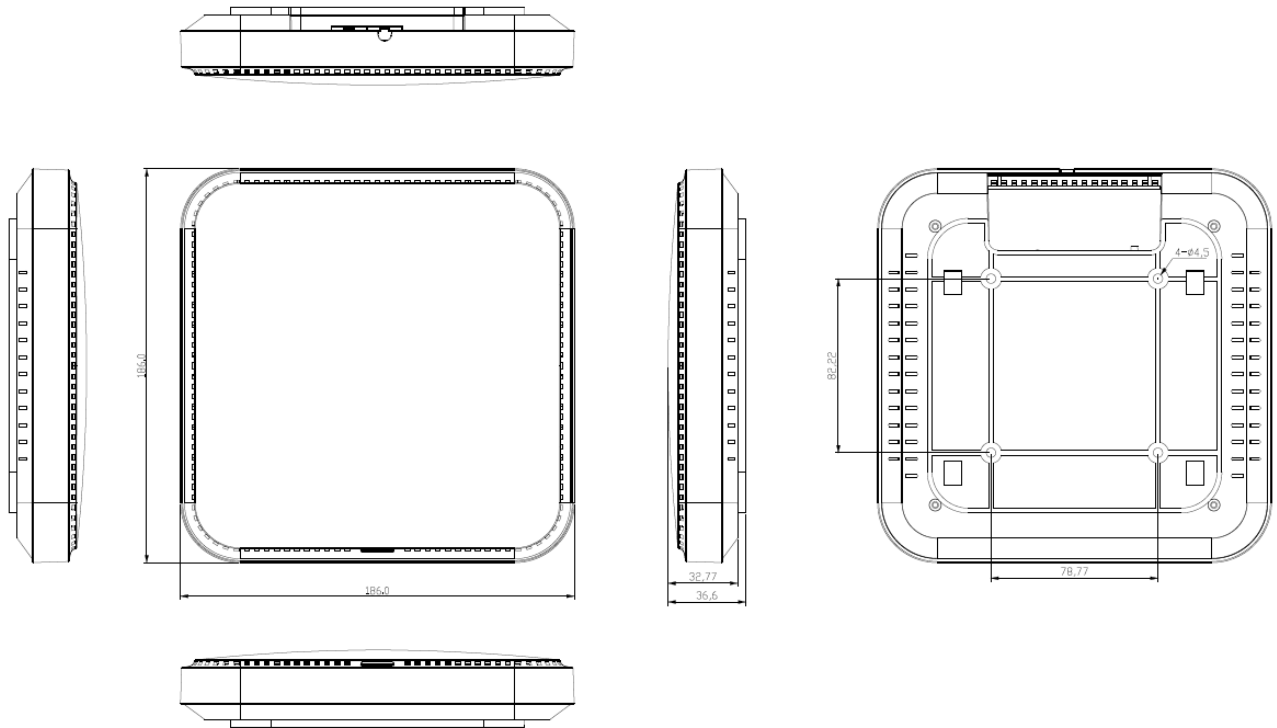
5、 Software features

Home	Operating mode: fat AP and thin AP
	AP download rate, AP upload rate, uptime
	Device info, device description, LAN info, Wi-Fi info
Supported modes	Gateway mode — connects to the WAN through the WAN port using static IP, DHCP or PPPoE
	AP mode — provides wireless coverage to clients and reaches the WAN through an Ethernet uplink to another router
Wireless	SSID broadcast
	SSIDs: 4 (2.4 GHz) + 4 (5 GHz); UTF-8 SSID supported
	Hidden SSID
	Encryption: Open, WPA/WPA2-PSK TKIP/AES, WPA3-PSK TKIP/AES
	Wireless MAC filtering: whitelist
	Band steering (5 GHz preferred)
	Wi-Fi schedule — timed shutdown
	Client isolation — between SSIDs and within the AP
	TX power setting
	Max. clients per SSID
	QoS: WMM
Network	Connection: static address, from management server, from gateway
	DHCP server: internal or external
	Cloud platform
	Firewall
	PPPoE dial-up
Device management	Back up configuration
	Restore configuration
	Factory reset
	Reboot — scheduled or immediate
	Firmware upgrade
	Time management — system time and time sync
	System log

6、 Interface diagram



7、 Outline drawing



8、 Packing list

Main unit*1

Screws*4

User manual*1

Certificate of conformity and warranty card*1

