

Altai C260-X

Outdoor Dual-Band Wi-Fi 6 Access Point

Quick Setup Guide

Version 1.1

Introduction

Thank you for purchasing the Altai C260-X product. This guide provides instructions to install the product and set it up in AP mode with minimal effort.

Package Contents

1



C260-X Main Unit x 1
2.4GHz Antenna x 2
5GHz Antenna x 2

2



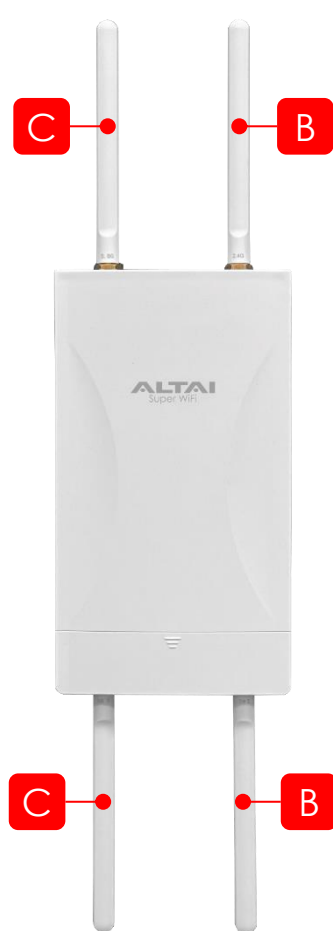
Pole Mount Kit:
Cable Tie x 2

3



Wall Mount Kit:
Anchor (6 x 30mm) x 2
Screw (4 x 25mm) x 2

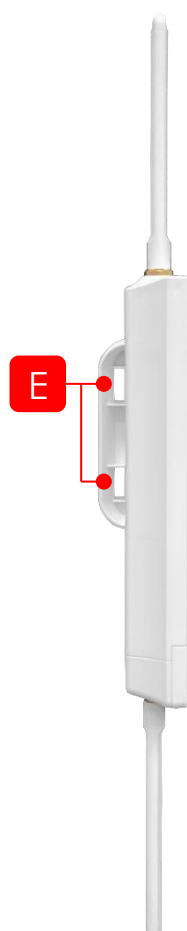
Hardware Overview



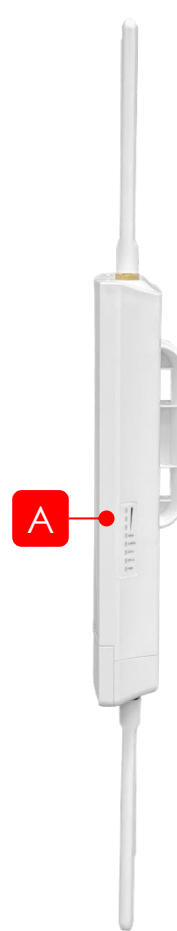
Front View



Back View



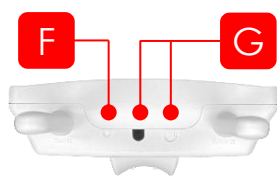
Left Side View



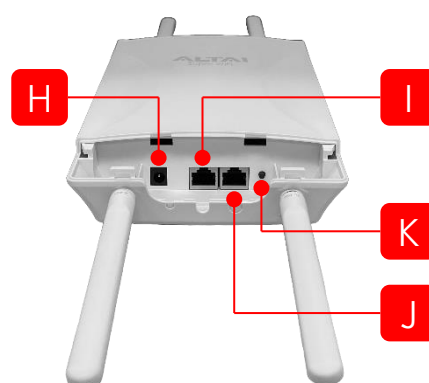
Right Side View



Top View




Bottom View



Compartment

A: LED Panel

LED	Status	Description
PWR	Off	Power off
	On (Green)	AP powered on
Eth 0 (PoE In) / Eth 1	Off	LAN (Ethernet) disconnected
	On (Green)	LAN connected
	Flashing (Green)	Data transmitting/receiving
2.4GHz	Off	Radio not working properly
	On (Green)	Radio enabled
	Flashing (Green)	Data transmitting/receiving
5GHz	Off	Radio disabled
	On (Green)	Radio enabled
	Flashing (Green)	Data transmitting/receiving
 Received Signal Strength	All Off	No client associated currently
	All On (Green)	At least one client associated on either 2.4GHz or 5GHz radios

B: 2.4GHz RF Ports (RP-SMA Female Type)

Used to attach 2.4GHz antennas (see the marking on the AP chassis) for 2x2 MIMO Wi-Fi connection.

C: 5GHz RF Ports (RP-SMA Female Type)

Used to attach 5GHz antennas (see the marking on the AP chassis) for 2x2 MIMO Wi-Fi connection.

D: Wall-Mount Slots

Used for anchoring the C260-X main unit to a wall with wall mount screws.

E: Pole-Mount Slots

Used for securing the C260-X main unit to a pole with cable ties.

F: DC Power Cable Hole

Used for DC power cable feed-through. The hole is sealed. To cut a hole for the DC power cable, use a pair of needle-nose pliers, as shown in the diagram.



G: Ethernet Cable Holes

Used for Ethernet cable feed-through. The hole for the Eth1 port is sealed. To cut a hole, use a pair of needle-nose pliers, as shown in the diagram.

H: DC Power Jack

Used for connecting to a DC power source of 12VDC/1.25A. See option 3 in the Power Options and Cable Connection Instructions section for details.

I: Ethernet Port 0 (PoE In)

Used for connecting to power source equipment such as a PoE switch or a PoE injector (see options 1 and 2 in the Power Options and Cable Connection Instructions section for details) and providing 10/100/1000 Mbps network interface for LAN connection.

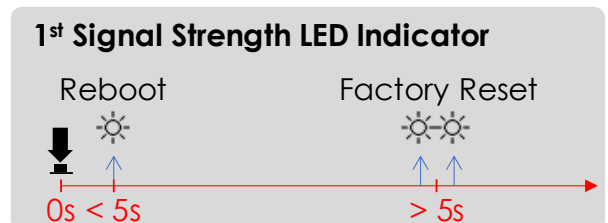
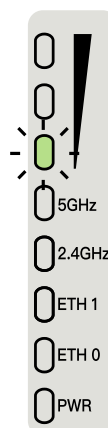
J: Ethernet Port 1

Provides 10/100/1000Mbps network interface for LAN connection with peripherals

K: Reset Button

It serves two functions:

- **Reboot:** Press the button within 5 seconds until the the first signal strength LEDs blink once.
- **Factory Reset:** Press the button for more than 5 seconds until the first signal strength LED blinks twice consecutively.



Setup Requirements and Preparation

- A computer with a web browser
- Two Cat 5e/6 Ethernet cables
- A 802.3af/at-compliant PoE switch to power up the C260-X; alternatively, a PoE injector (purchased separately) and a power cord
- Screwdrivers (Phillips), and a drill
- Wire stripping tool and crimping tool

Mounting Options



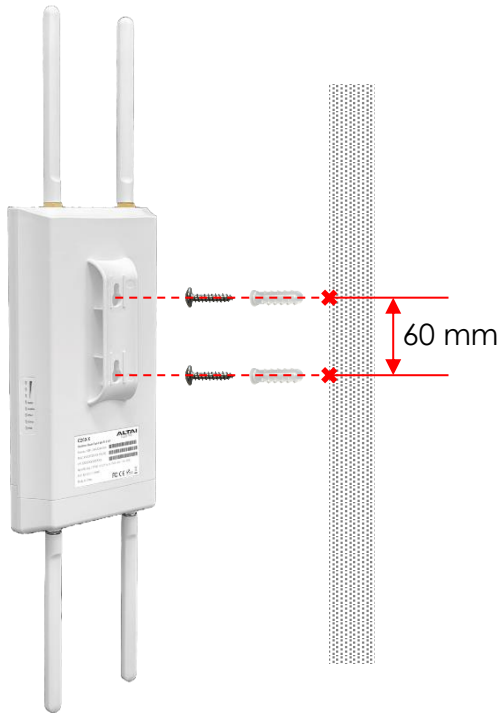
Note: To attain the optimal coverage, we recommend the antennas be mounted in the upright position and at a height of **NOT** more than 5 meters above the ground.

Option 1: Pole Mount (1" – 2" of Pole Diameter)



1. Position the C260-X unit in the desired location on the pole.
2. Loop two cable ties through the slots on the back of the device and then wrap them around the pole.
3. Tighten the cable ties to ensure the device is firmly in place.

Option 2: Wall Mount



1. Determine where the C260-X is to be placed and mark the location of the two mounting holes on a flat wall surface. The two holes should be aligned vertically and 60 mm (2.36 inches) apart.
2. Use an appropriate drill bit to drill the holes, each of 6mm in diameter and 26mm deep, on the markings.
3. Insert the anchors into the holes.
4. Insert the screws into the anchors.
5. Align the back mount holes of the C260-X with the screw heads. Slide the device down the mount slots to secure it in place.

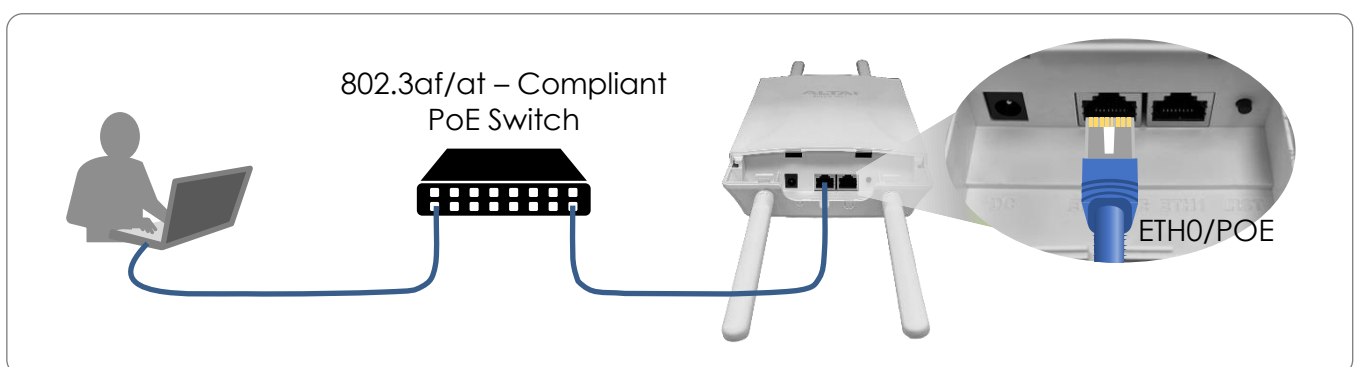
Power Options and Cable Connection Instructions

Follow one of the options below to power up the C260-X for configuration.



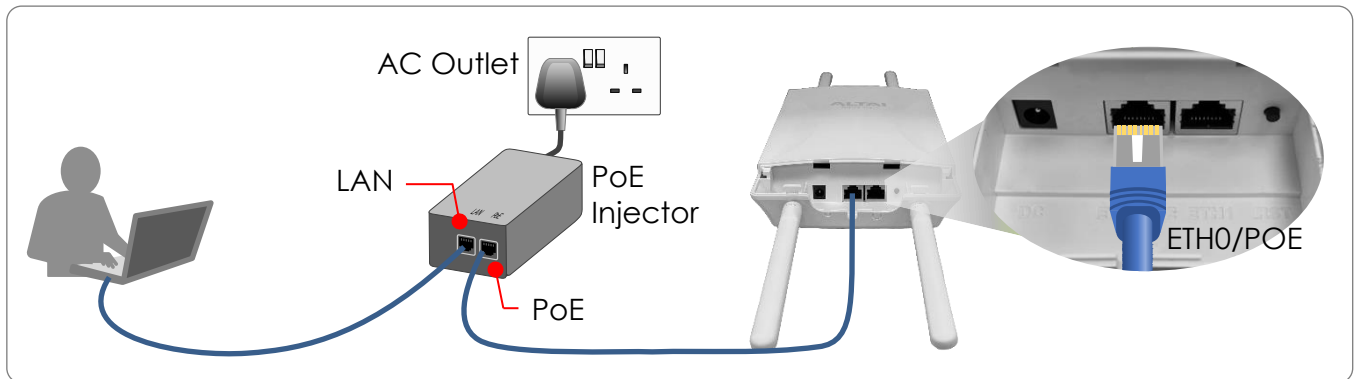
Caution: To prevent any potential damage to the RF components, it is strongly advised to have proper termination of the RF ports by connecting antennas or using dummy loads (impedance: 50 ohms) before powering up the unit. Additionally, it is best practice to turn off any unused radio whenever possible. To turn on/off a radio, refer to the configuration section in this guide.

Option 1: 802.3af/at-Compliant PoE Switch



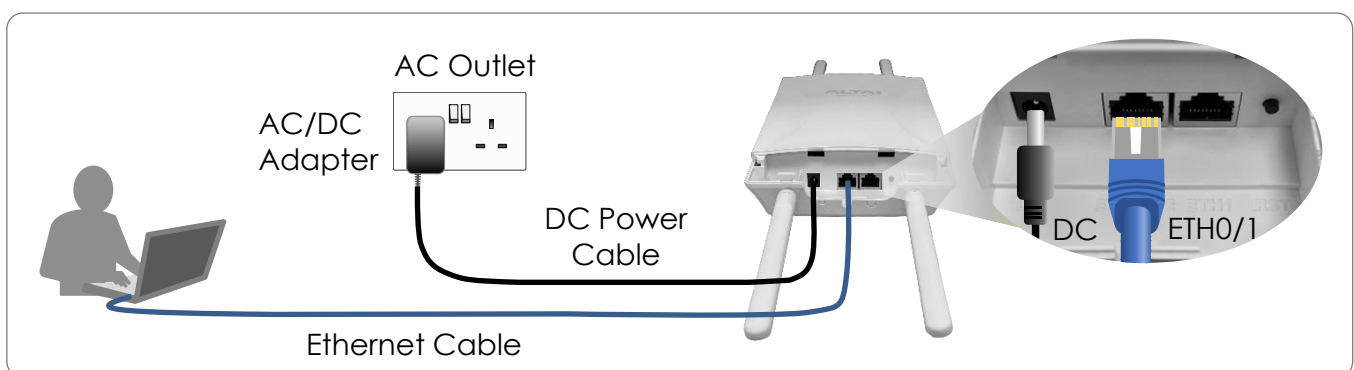
1. Connect the C260-X's Eth0 port to an 802.af/at-compliant PoE switch with an Ethernet cable.
2. Connect a computer to the switch with another Ethernet cable.
3. When the 2.4GHz radio LED turns on, it is ready for configuration.

Option 2: PoE Injector (purchased separately)



1. Connect the PoE injector's ports as follows with Ethernet cables.
 - **PoE Port:** To the C260-X's Eth0 port
 - **LAN Port:** To a computer
2. Connect the PoE injector to the AC power socket using a power cord.
3. When the 2.4GHz radio LED turns on, it is ready for configuration.


Option 3: AC/DC Power Adapter (purchased separately)

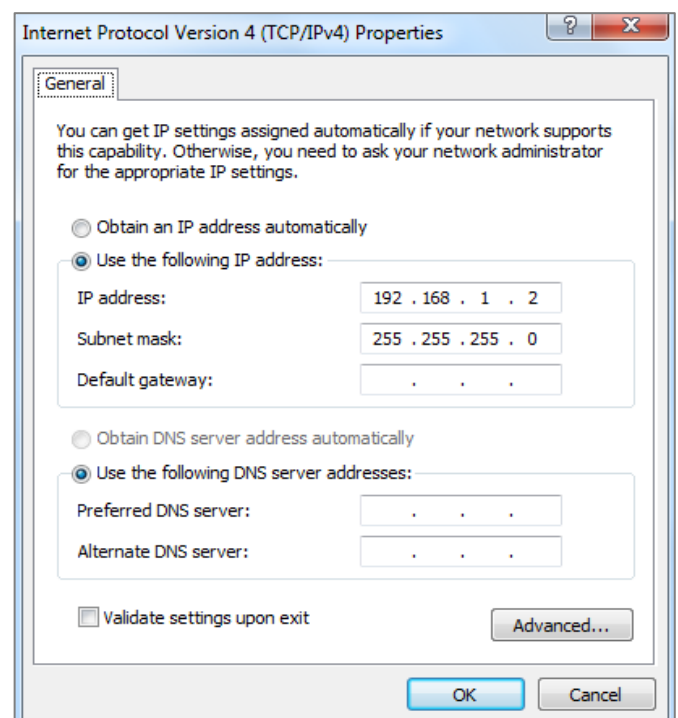
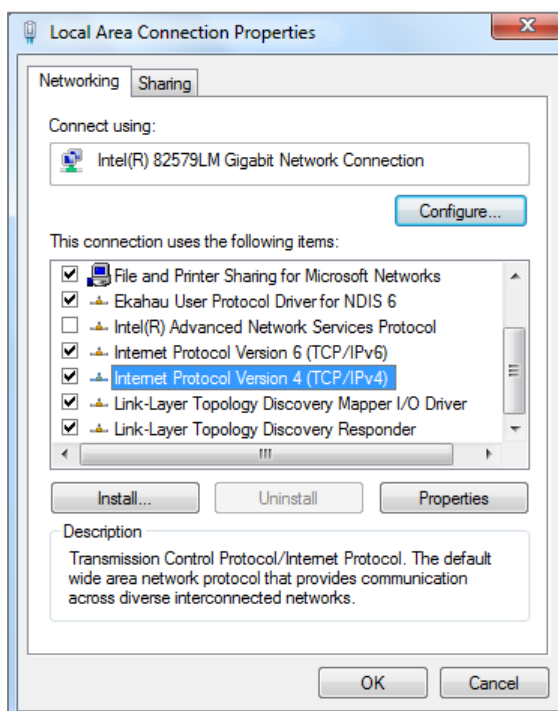


1. Connect the DC connector to the C260-X's DC jack, then plug the adapter into an AC outlet.
2. Connect a computer to the C260-X's Eth0 or Eth1 port with an Ethernet cable.
3. When the 2.4GHz radio LED turns on, it should be ready for configuration.

1. Change TCP/IP Setting on Your Computer

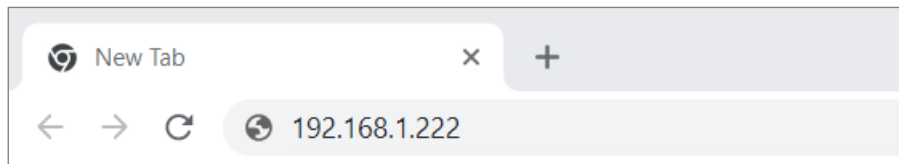
For Windows 7/Windows 10/Windows 11 users,

1. Go to **Control Panel**, click **Network and Sharing Center** and then choose the Ethernet adapter that is in connection with the C260-X unit. Click it and then click  **Properties**.
2. Under the **Networking** tab, select **Internet Protocol Version 4 (TCP/IPv4)** in the list box “**This connection uses the following items**”, and then click **Properties**.
3. Type in the following IP address and Subnet mask:
 - IP address: 192.168.1.2
 - Subnet mask: 255.255.255.0
4. Click **OK** to close the **Internet Protocol Version 4 (TCP/IP) Properties** dialog box and click **OK** again to close the adapter **Properties** dialog box.



2. Access to Web Interface

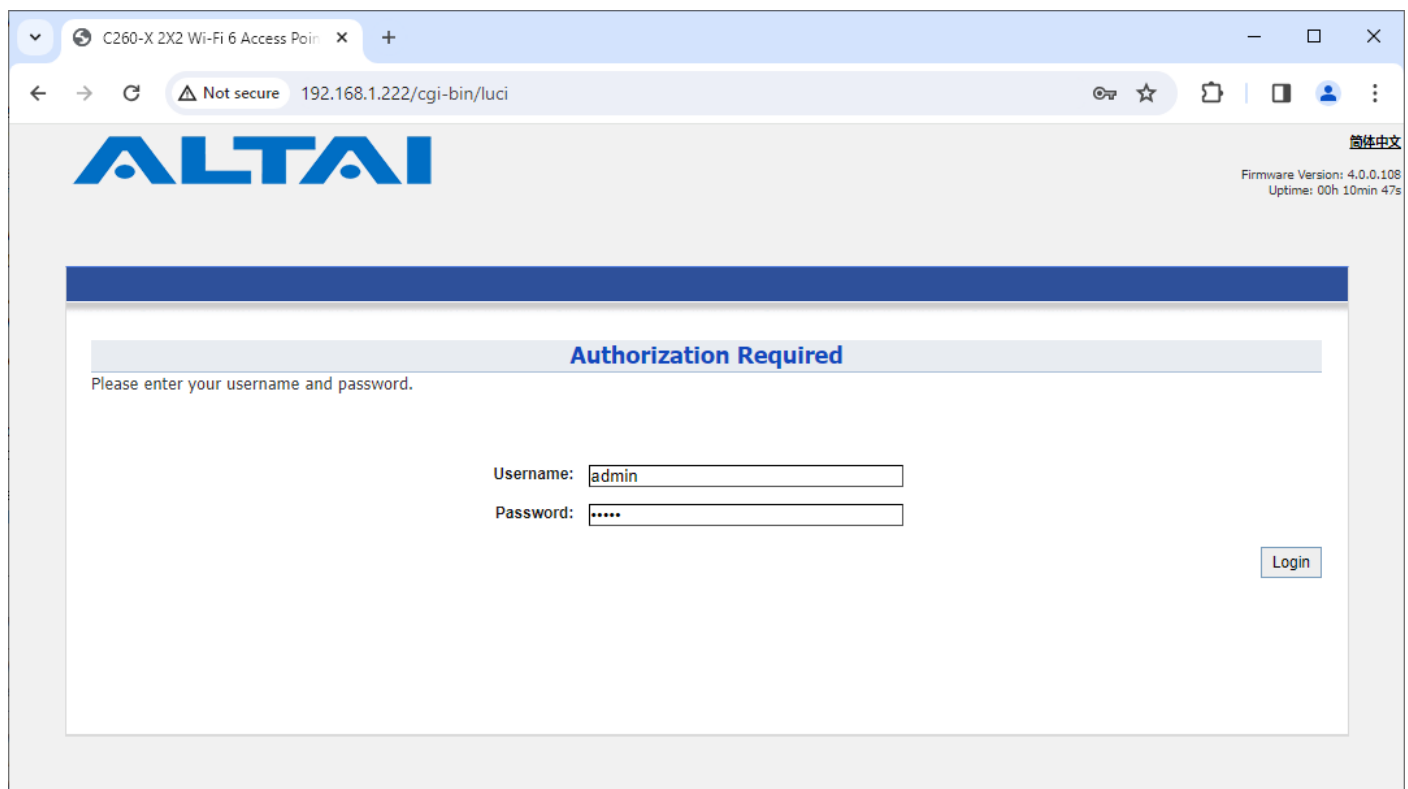
1. Open a web browser, e.g. Google Chrome, Apple Safari, or Microsoft Edge.
Type **192.168.1.222** in the address bar and then hit **Enter**.



2. The login page will come up. Enter the default username and password as follows:

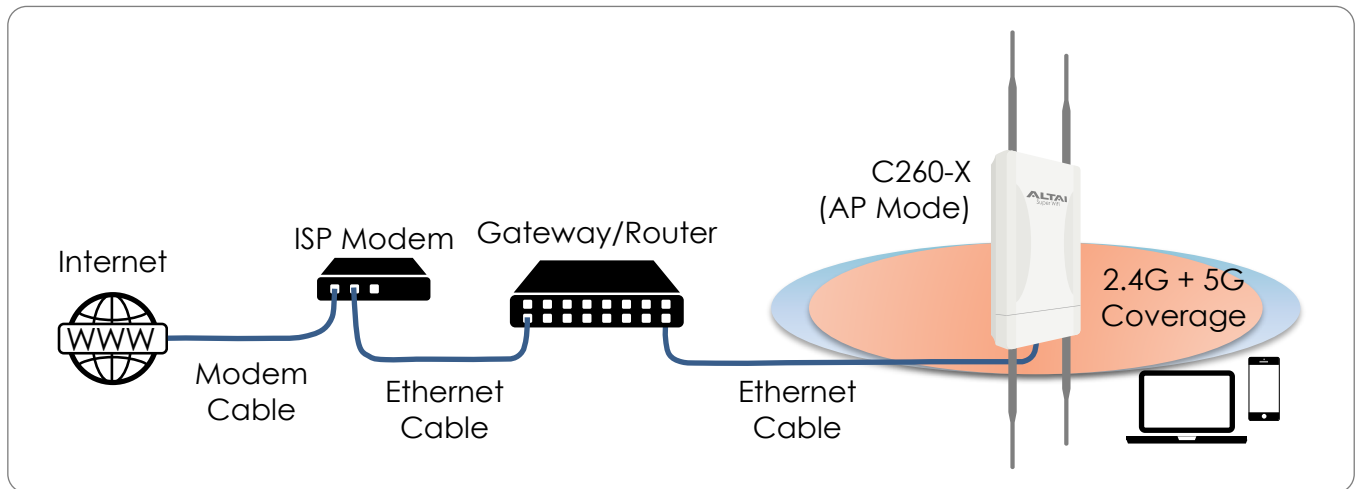
- Username: **admin**
- Password: **admin**

3. Click Login.



3. Configure AP Mode (2.4G/5G)

Network Scenario



Go to **Configuration > Wireless > Radio0(2.4G)/Radio1(5G) > General**. The below screenshots show an example for 2.4G radio configuration only. The same procedures apply to 5G radio configuration.

1. Check the box to **Enable Radio** if you use 5GHz radio. By default, the 2.4GHz radio is always enabled and non-configurable. Select **AP** for the Radio Mode. Then click **Submit** button.

The screenshot shows the web interface for configuring the **Radio0(2.4G)** settings. The interface includes tabs for **Status**, **Configuration**, **Administration**, **Tools**, and **About**. Under **Configuration**, there are sub-tabs for **System**, **Network**, **Wireless**, and **Remote Mgmt**. The **Wireless** tab is selected, showing **Radio0(2.4G)** and **Radio1(5G)** links. The **Radio0(2.4G) Setting** page has three sub-tabs: **General**, **WLAN**, and **Advanced**. The **General** tab is active, displaying the following settings:

- Enable Radio:** ☒ (highlighted with a red dashed box)
- Radio Mode:** **AP** (highlighted with a red dashed box)
- Country(Region) Code:** **HONG KONG**
- Wireless Mode:** **2.4GHz 286.8Mbps(802.11ax HE20)**
- Channel:** **2412MHz(Channel 1)**
- Transmit Power:** **22**
- User Isolation in different WLAN (SSID):** ☐

A **Submit** button is located at the bottom right of the configuration page.

- Click the **WLAN** tab on the navigation bar. Check the box to **Enable WLAN**. Enter the **SSID** to name the wireless network you want to advertise, e.g. Altai C260-X. To secure a Wi-Fi network, you can use WPA2/WPA3 Personal or WPA2/WPA3 Enterprise. For simplicity, select **WPA2/WPA3 Personal** for Auth Mode and enter a string of 8-64 characters long for **Passphrase**. Then click **Submit** button.

General
WLAN
Advanced

WLAN Configuration

Enable WLAN	SSID	Maximum Clients	Isolation	Auth Mode	Cipher Mode	PassPhrase	Detail
<input checked="" type="checkbox"/> 0	Altai C260-X <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	WPA2/WPA3 Personal	AES <input type="checkbox"/> Show	More...
<input type="checkbox"/> 1	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 2	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 3	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 4	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 5	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 6	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...
<input type="checkbox"/> 7	Superwifi Network <input type="checkbox"/> Hide SSID	256	<input checked="" type="checkbox"/>	Open	Disabled		More...

Submit

- Click **Save & Apply** in the top right corner to make the changes take effect.

[简体中文](#) | [Reboot AP](#) | [Logout](#)

Firmware Version: 4.0.0.108
Uptime: 00h 39min 32s

Unsaved Changes: 4 | [Save & Apply](#) | [Download Logs](#)

- Hook up the C260-X unit as in the Network Scenario. The SSID should now be broadcast and be seen in the computer for wireless connection.

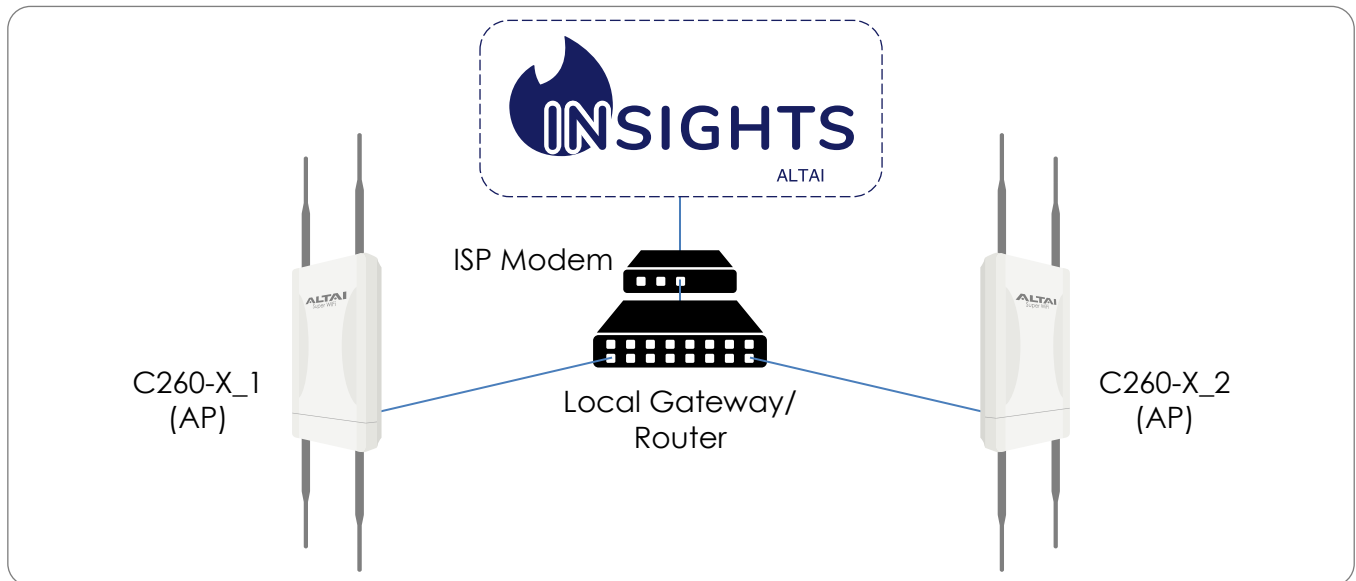
Altai C260-X
Connected, secured

[Properties](#)

Disconnect

4. Connect with Cloud-Based WLAN Service – Insights

Network Scenario



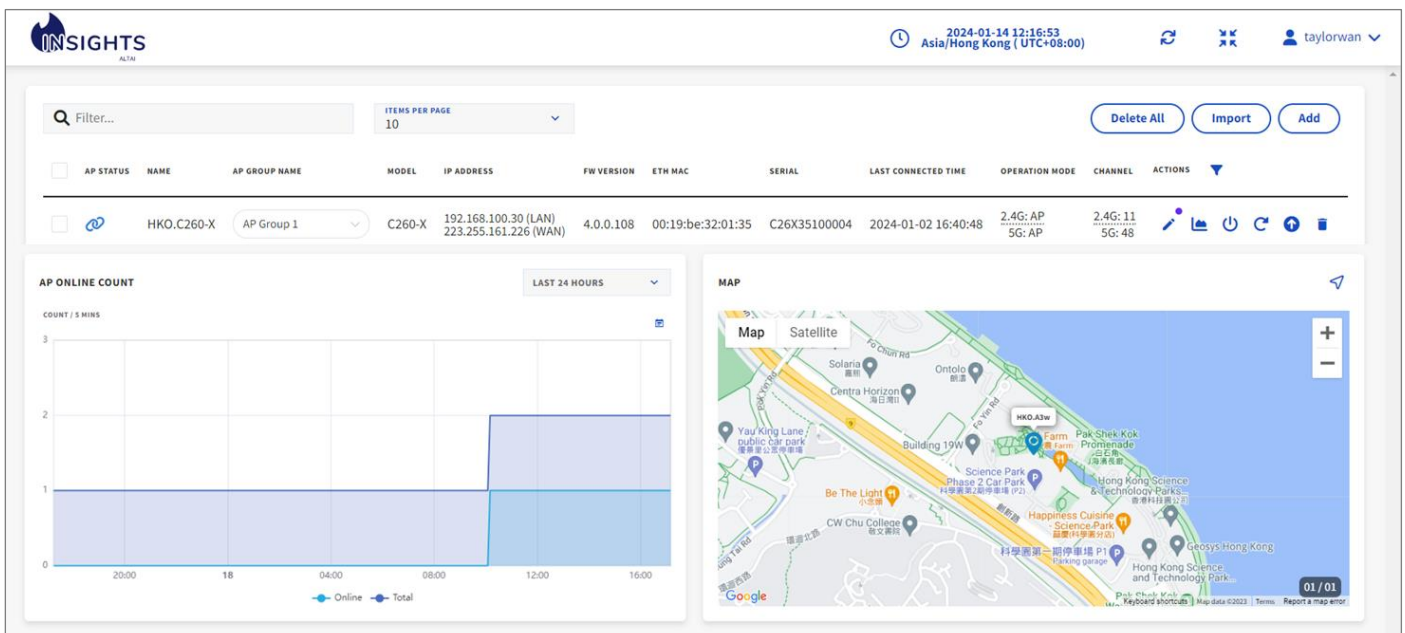
You can subscribe to Insights cloud service to manage your APs collectively. Follow the steps below to register your APs.

1. Go to **Configuration > Network > General**. Configure a valid IP address either via DHCP or using a static IP configuration so that the C260-X can connect to the Internet and communicate with Insights. You can use Google Public DNS Server, e.g. 8.8.8.8 or 8.8.4.4, if you are unsure about your ISP DNS's server IP address.

The screenshot shows the 'General Network Setting' page in the ALTAI web interface. The page has a navigation bar with tabs: Status, Configuration, Administration, Tools, and About. Under 'Configuration', there are sub-tabs: System, Network, Wireless, and Remote Mgmt. The 'General' tab is selected. The page title is 'General Network Setting'. There are two main sections: 'Network Setting' and 'WAN/LAN Interface Assignment'. The 'Network Setting' section has a 'Network Setting' dropdown menu set to 'Switch Mode' and a 'Secondary IPs' checkbox checked. The 'WAN Setting(IPv4)' section has a 'Internet Connection Type' dropdown set to 'Static'. Below this, there are input fields for 'IPv4 Address' (192.168.100.30), 'IPv4 Subnet Mask' (255.255.255.0), 'IPv4 Default Gateway' (192.168.100.1), and 'IPv4 DNS Server IP Address' (8.8.8.8 and 192.168.100.1). The 'WAN/LAN Interface Assignment' section has 'Enable NAT Mode' set to 'NA' and 'LAN IP Address' and 'LAN IP Address Mask' both set to 'NA'. A 'Submit' button is located at the top right of the 'WAN/LAN Interface Assignment' section.

- Click the **Remote Mgmt** tab on the navigation bar. Check the box to **Enable Remote Management**. Select **Insights** for the Management Type and **Cloud** as the Connection Type.

- Select **Full Management** if the radio (2.4G/5G) runs on **AP Mode**. If **Station/Bridge/Repeater Modes**, select **Monitor Mode** instead.
- Click **Submit** button and then **Save & Apply** in the top right corner to make the changes take effect.
- Follow Insights Quick Start Guide to register the C260-X in the cloud system.
- The C260-X will come up online in Insights if the connection is successful.



Federal Communication Commission Interference Statement (FCC) – USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 36cm between the radiator & your body.

European Conformity (CE) – EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Warning

C260-X may require professional installation depending on the deployment scenario.

Only use the optional power adaptor available for C260-X. Using a different power adaptor might damage the device.

The metal chassis of the equipment may be hot. Pay special attention or use special protection before handling this equipment.

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only.

Disclaimer

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