

**Dual Band 802.11be 5100Mbps Ceiling-mount
Wireless Access Point w/802.3at PoE+,
1 10/100/1000/2500T Port and
1 10/100/1000T LAN Port**

WDAP-C5100BE

Quick Installation Guide

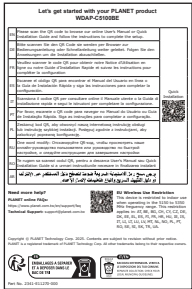
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1. Package Contents

Thank you for choosing PLANET WDAP-C5100BE. Before installing the AP, please verify the contents inside the package box.

The WDAP-C5100BE should contain the following items in the package:

WDAP-C5100BE	QR Code Sheet
	
Mounting Bracket	Mounting Kit
	

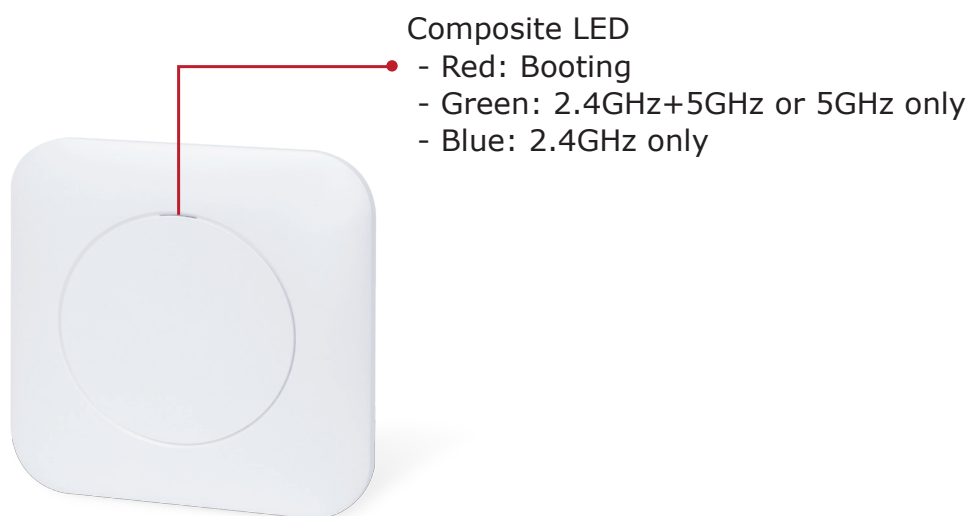


Note

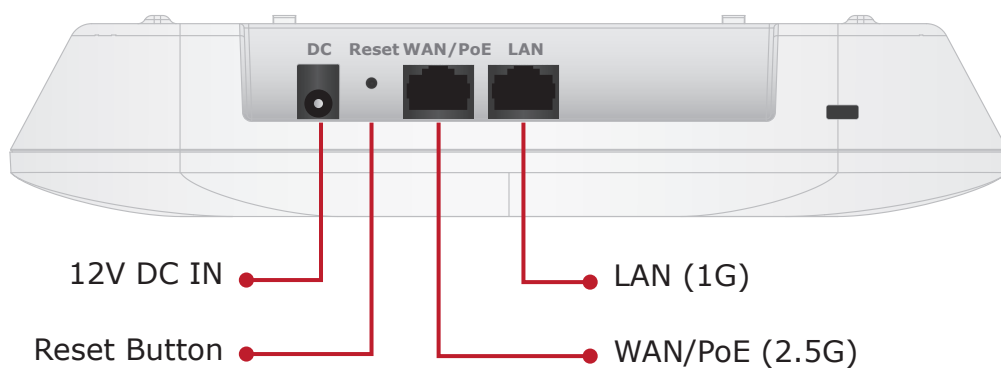
If there is any item missing or damaged, please contact the seller immediately.

2. Physical Introduction

Front Panel

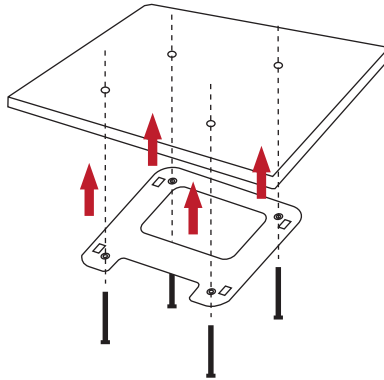


Rear Panel

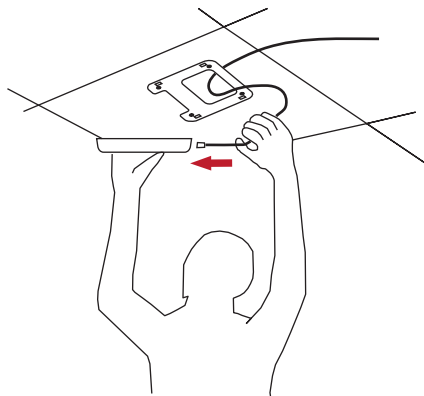


3. Hardware Installation

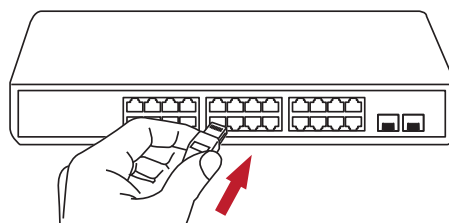
Step 1: Take the mounting bracket, put it on the target place by aligning the holes and fix it with the supplied screws.



Step 2: Load the device into the mounting bracket, and be sure the device is mated with fixed screws. Then, lock the device in position and plug the Ethernet cable into the WDAP-C5100BE.



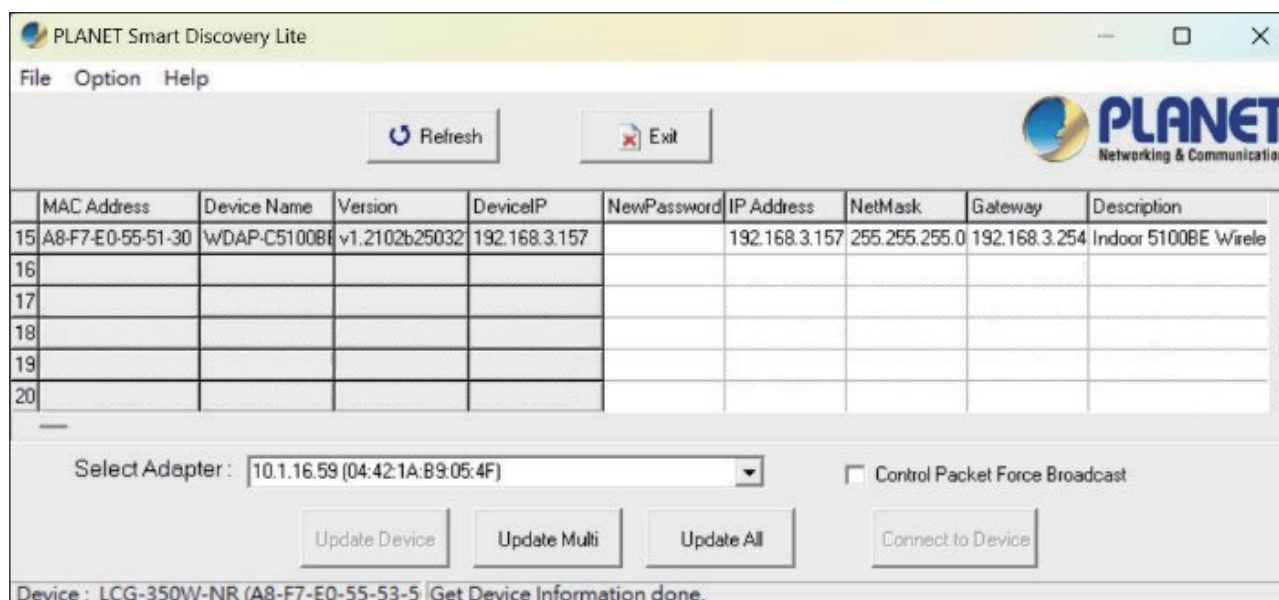
Step 3: Plug the other end of the Ethernet cable into the PoE switch.



4. Connecting the AP (for Windows OS)

As the default setting of the connection type of the WDAP-C5100BE is DHCP, your computer's IP address has to be the same network segment as the wireless AP. To find the IP address of the AP, use the utility of "Smart Discovery Lite", which can be found on PLANET official website.

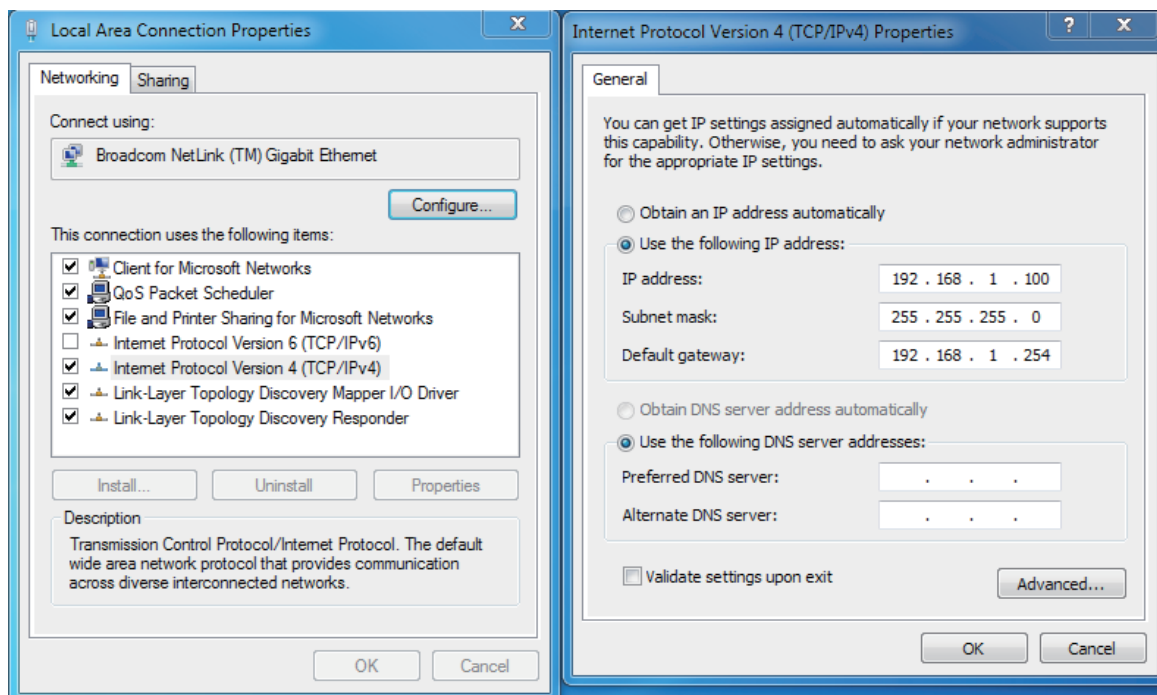
1. Launch the utility from your computer after you have downloaded and decompressed it.
2. Select your adapter to connect the AP.
3. Click the **"Refresh"** button.
4. The AP model and its IP address are shown.
5. Check whether the IP address of your adapter and the IP address of the AP are the same.
6. If yes, click "Connect to Devices" for the AP setting.
7. If no, go to the next page to set your wired or wireless setting.
8. If there is no DHCP server in the local network, the IP will go back to 192.168.1.253 by default after 60 seconds.



5. Wired Network Configuration (Windows 10 and Windows 11)

A computer with wired Ethernet connection is required for the first-time configuration of the wireless AP.

1. Click the **"Start"** button located at the lower-left corner of your computer.
2. Click **"Control Panel"**.
3. Double-click the **"Network and Sharing Center"** icon.
4. Click **"Change adapter settings"**.
5. Double-click **"Local Area Connection"**.
6. Select **"Internet Protocol Version 4 (TCP/IPv4)"** and click **"Properties"**.
7. Select **"Use the following IP address"** and then click the **"OK"** button twice to save the configuration. For example, the default IP address of the WDAP-C5100BE is 192.168.1.253 and the router is 192.168.1.254. You may choose from 192.168.1.1 to 192.168.1.252.



6. Entering into the Web Management

Default IP Address: **192.168.1.253** (The default IP address will be 192.168.1.253 if there is no DHCP server in the local network.)

Default SSID (2.4GHz): **PLANET_2.4G**

Default SSID (5GHz): **PLANET_5G**

Step 1: The Web management allows you to access and manage the wireless AP easily. Launch the Web browser and enter the default IP address **https://192.168.1.253**.

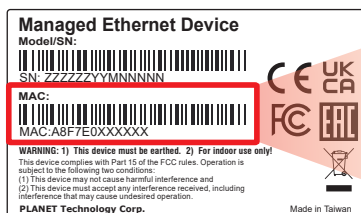


Step 2:

Default Username: **admin**

Default Password: **ap + the last 6 characters of the MAC ID in lowercase**

Find the MAC ID on your device label. The default password is "ap" followed by the last six lowercase characters of the MAC ID.



MAC ID: A8F7E0XXXXXX

Default Password: apxxxxxx

("x" means the last 6 digits of the MAC address.
All characters should be in lowercase.)

Step 3: After logging in, you will be prompted to change the initial username and password to a permanent one.

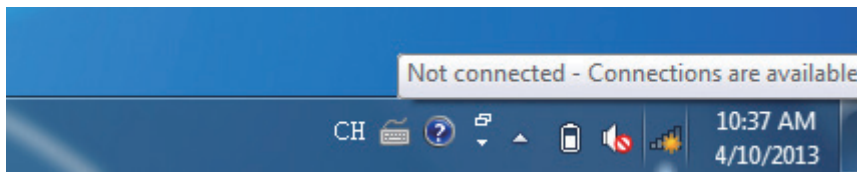
The password must contain 8 to 31 characters, including uppercase, lowercase, numerals and other symbols. Please note spaces (blanks) are not accepted.

The screenshot shows a web-based configuration wizard titled "STEP 1 - Account Modification". At the top, a progress bar consists of six numbered circles: 1 (Account, highlighted in blue), 2 (Mode), 3 (LAN), 4 (Wireless Connection), 5 (Wireless), and 6 (Completed). Below the progress bar, the "Account" section contains three input fields: "Username" with the value "admin", "Password", and "Confirm Password". A note below these fields states: "The password must contain 8~31 characters, including upper case, lower case, numerals and other symbols". At the bottom right of the form are two buttons: "Cancel" and "Next".

Step 4: Please follow the wizard to do the first-time setup and select the mode preferred.

7. Wireless Network Connection

Step 1: Right-click on the **network icon** displayed in the system tray.



Step 2: Highlight the wireless network (SSID) to connect and click the **[Connect]** button.



Step 3: Enter the **encryption key** of the WDAP-C5100BE if necessary.

You have already finished the configuration of the WDAP-C5100BE. Now you can use your smart phone, tablet, laptop, or any other Wi-Fi device to connect with it wirelessly and start surfing the internet.

8. AP Discovery through PLANET NMS Controller (NMS-500/NMS-1000V)

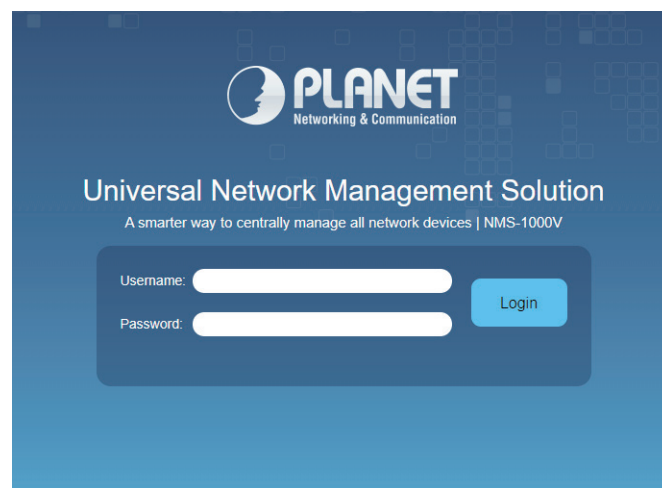
The WDAP-C5100BE is the Smart AP series which can be centrally managed by PLANET NMS Controller.

Follow the steps below to discover the managed AP through PLANET NMS controller (NMS-500/NMS-1000V). Please ensure each managed AP uses a different static IP in the same subnet before physically connecting to the managed

*** Please regularly check PLANET website for the latest compatible list of the controller/managed APs for each firmware version.

Step 1: Launch the Web browser (Google Chrome is recommended.) and enter the default IP address <https://192.168.1.100:8888> of the NMS controller. Then, enter the default username and password **"admin"** to log on to the system.

* The secure login with SSL (HTTPS) prefix is required.



Step 2: Go to the "Domain" page to discover and add the managed AP to the device list. Then, you can go to the "AP Control-> AP Management" page to configure pre-defined profiles to the managed AP without logging on to the AP's web page.



For information about further configuration of Managed AP by using PLANET Smart AP Control, refer to the configuration guide of the NMS controller (NMS-500/NMS-1000V).

9. PLANET CloudNMS Service Configuration (Platform and App)

The WDAP-C5100BE is the Smart AP series which can be monitored and configured through the PLANET CloudNMS Platform or the CloudNMS App. Follow these steps to configure the CloudNMS service.

Step 1: Enable the Service

Go to the NMS Configuration page of the WDAP-C5100BE and enable **PLANET CloudNMS Server – Internet** feature.

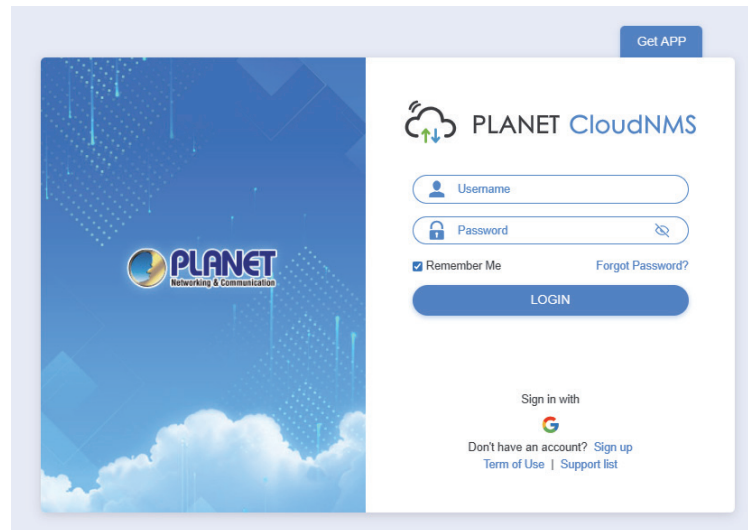
The screenshot shows the 'NMS Configuration' page. The sidebar on the left has a menu with items: Operation Mode, Dashboard, System Status, System Service, Statistics, Connection Status, RADIUS, SNMP, NMS (highlighted with a red circle '2'), Remote Syslog, and Event Log. The main content area has a top navigation bar with 'System', 'Network', 'Wireless', and 'Maintenance'. Below this is the 'NMS Configuration' section. It contains a dropdown menu for 'NMS' currently set to 'Disable'. A red circle '1' is above the dropdown. The dropdown list shows 'Disable' and 'PLANET CloudNMS Server - Internet' (highlighted with a red circle '3'). Below the dropdown are 'Apply Settings' and 'Cancel Changes' buttons. A red circle '4' is below the 'Apply Settings' button.

The screenshot shows the 'NMS Configuration' page after successful configuration. The 'NMS' dropdown is now set to 'PLANET CloudNMS Server - Internet'. Below the dropdown, the 'Email' and 'Username' fields are visible. The 'Connection Status' is displayed as 'Success' in green. At the bottom, there are 'Apply Settings', 'Cancel Changes', and 'Unbind' buttons. On the right side, there is a QR code and the text: 'Scan this QR code with the CloudNMS App to add the service'.

Step 2: Access the CloudViewer Platform

Open a browser and go to <https://www.cloudnms.planet.com.tw>, or download the PLANET CloudNMS App from the App Store or Google Play.

Via Web:



Via App:

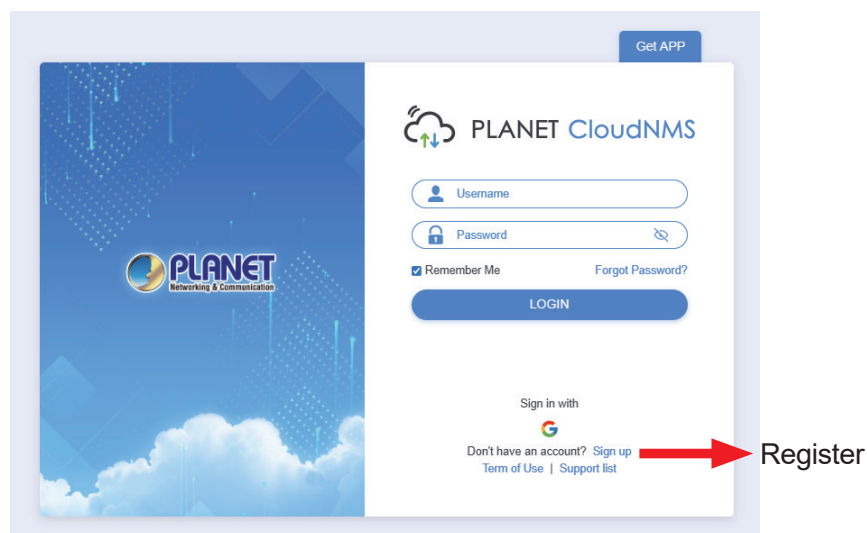


Step 3: Register an Account

Launch the PLANET CloudNMS Platform or App, and log in with your CloudNMS account.

If you don't have an account, register one with your e-mail address first, or use SSO.

Via Web:



Get APP

PLANET CloudNMS

Username

Password

☒ Remember Me [Forgot Password?](#)

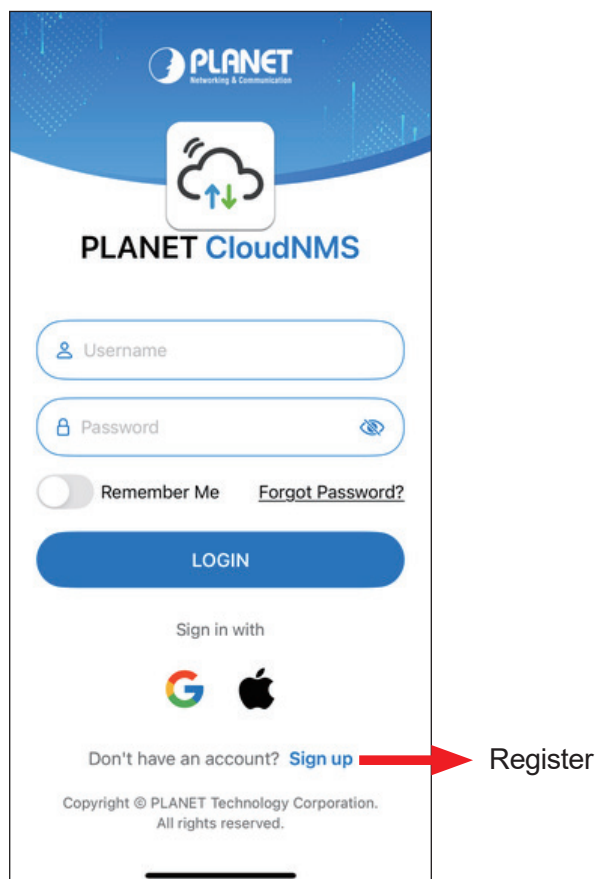
LOGIN

Sign in with

Don't have an account? [Sign up](#) [Term of Use](#) | [Support list](#)

Register

Via App:



PLANET CloudNMS

Username

Password

☐ Remember Me [Forgot Password?](#)

LOGIN

Sign in with

Don't have an account? [Sign up](#)

Register

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Step 4: Bind the Device

Via Web:

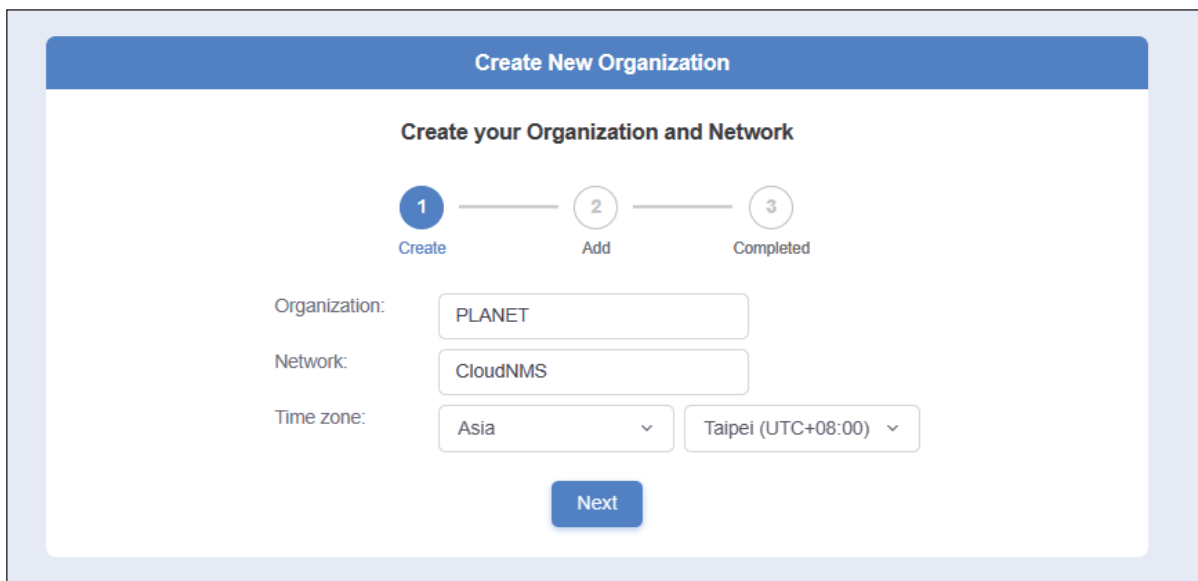
1. Log in to the PLANET CloudNMS Platform.
2. Create an Organization and a Network for the device.
3. Enter the required device information and complete the setup wizard.

Via App:

1. Launch the PLANET CloudNMS App and sign in with your CloudNMS account.
2. Create an Organization and a Network for the device, then go to the Add Device process.
3. Enter the required device information or Scan the QR code of the device, and complete the setup wizard.

Via Web:

1. Create an Organization and a Network



The screenshot shows a web form titled "Create New Organization" with a subtitle "Create your Organization and Network". At the top, there is a progress bar with three steps: 1 (Create), 2 (Add), and 3 (Completed). Step 1 is currently active. Below the progress bar, there are three input fields: "Organization:" with the value "PLANET", "Network:" with the value "CloudNMS", and "Time zone:" with a dropdown menu showing "Asia" and a second dropdown menu showing "Taipei (UTC+08:00)". A blue "Next" button is located at the bottom of the form.

2. Enter the required device information

Create New Organization

Add your device(s) to PLANET CloudNMS

1

Create

2

Add

3

Completed

+ Add

1 Devices

Download Import Template

Import

MAC Address	Serial Number	Name	Model
a8:f7:e0:XXXXXX Format: XX:XX:XX:XX:XX:XX	XXXXXXXXXXXX Enter a 14-character serial number	skip Enter the device name	XXXXXXXXXX

☐ Auto-skip invalid devices

Back

Next

3. Finish

Create New Organization

New Organization Information

1

Create

2

Add

3

Completed

Organization Information

Devices

Download Import History

Organization	PLANET	0	Switch(es)
Network	CloudNMS	1	Access point(s)
Time Zone	Asia/Taipei	0	Router(s)

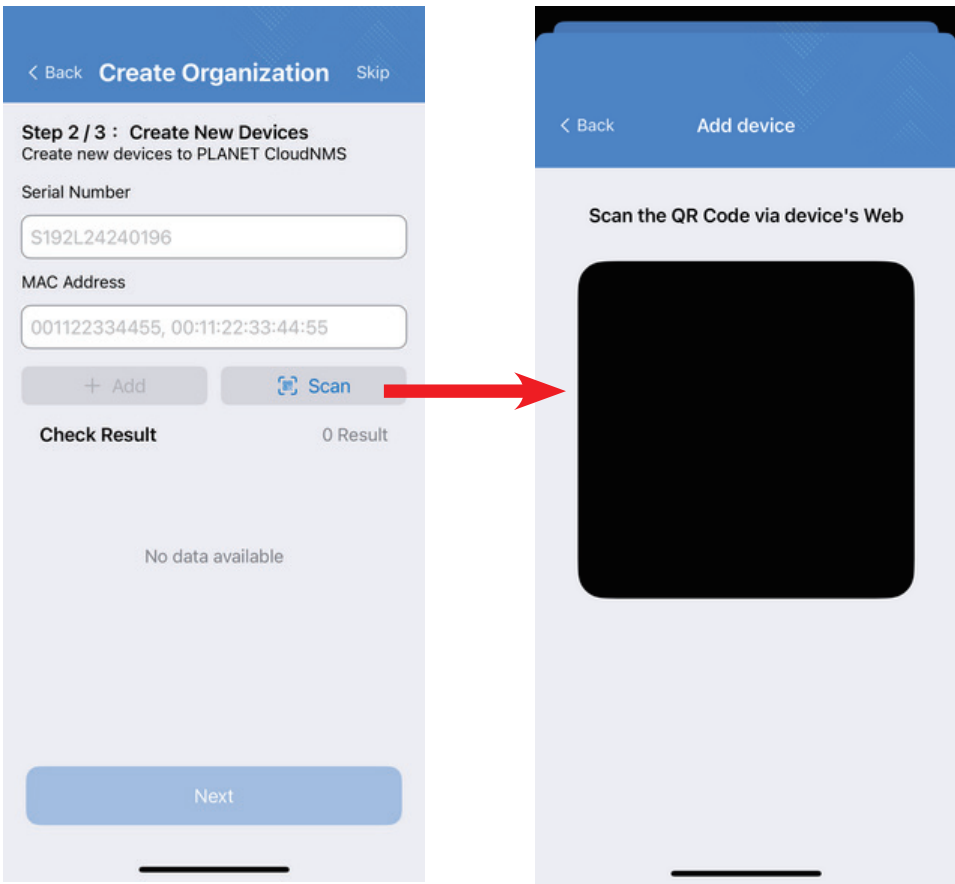
Finish Setup and Go to Dashboard

Via App:

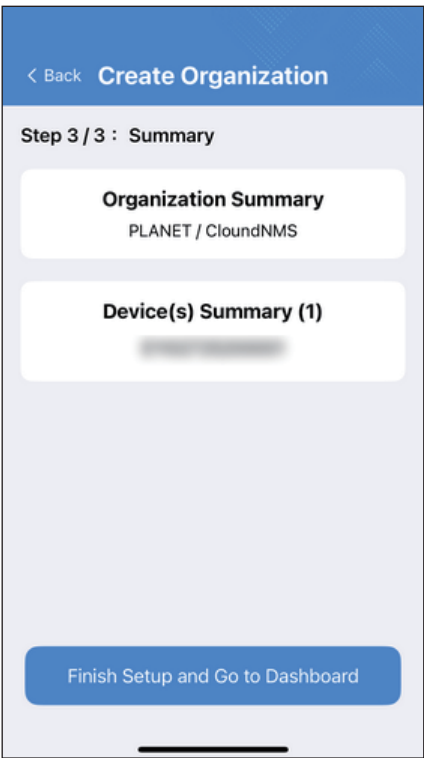
1. Create an Organization and a Network

The screenshot shows a mobile application interface for creating a new organization. At the top, there is a blue header bar with a back arrow and the text "Create Organization". Below the header, the screen displays "Step 1 / 3 : Create New Organization" and "Create your Organization and Network". The form consists of three sections: "Organization" with a text input field containing "PLANET", "Network" with a text input field containing "CloudNMS", and "Time Zone" with two selectable options, "Taiwan" and "Asia/Taipei", each preceded by a location pin icon and followed by a right arrow. At the bottom of the form is a large blue button labeled "Next".

2. Enter the required device information or Scan QR code

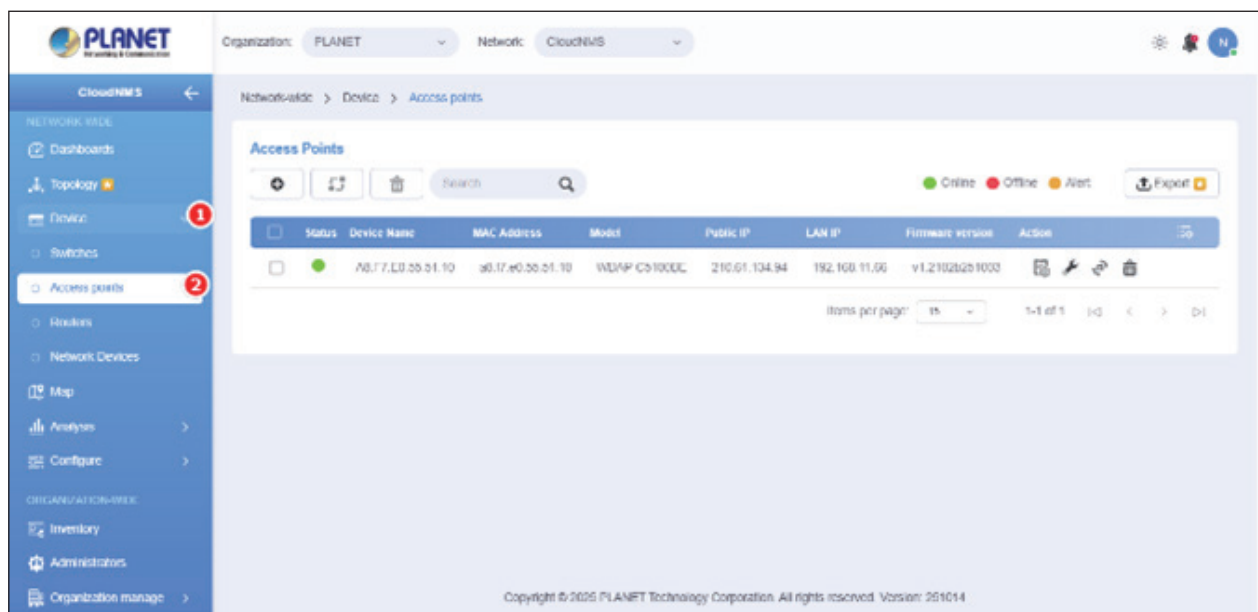


3. Finish

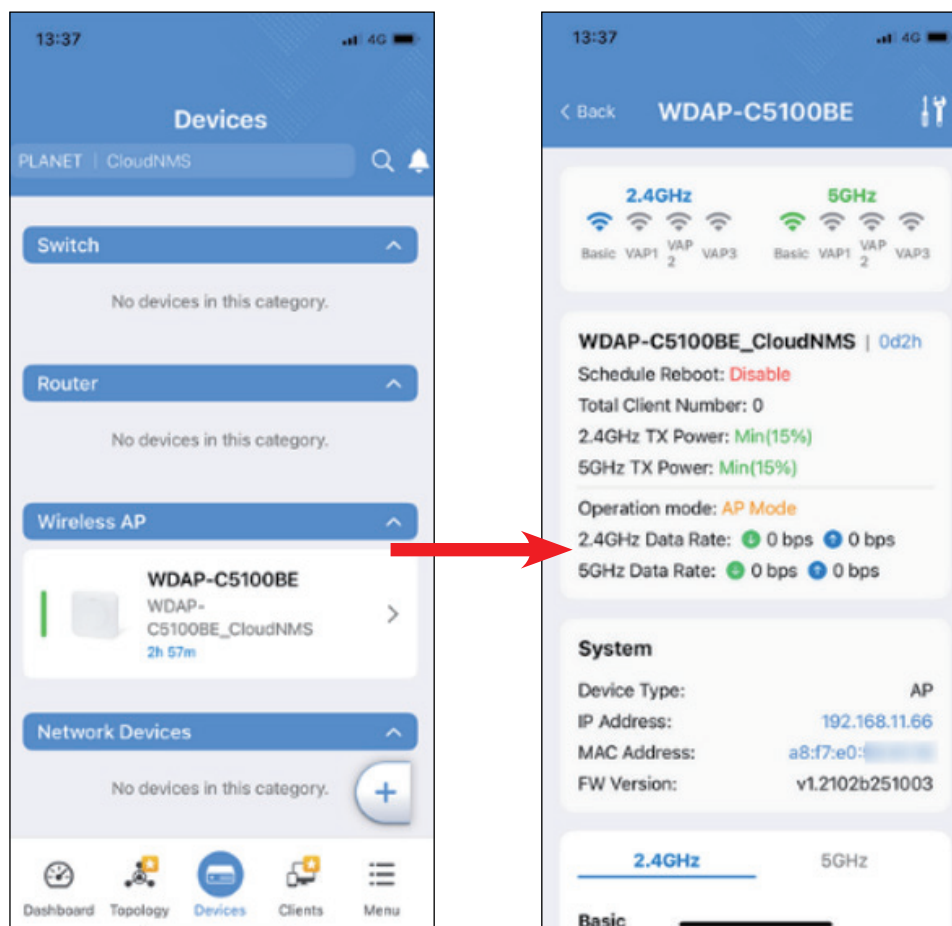


Step 5: Finish

Via Web:



Via App:



Further Information:

The above steps introduce the simple installations and configurations of the device. For further configurations, please refer to the user manual, which can be downloaded from the website.

WDAP-C5100BE

<https://www.planet.com.tw/en/support/download.php?&method=keyword&keyword=WDAP-C5100BE&view=3#list>



PLANET Network Management Solution (NMS):

<https://www.planet.com.tw/en/products/network-management>



If you have further questions, please contact the local dealer or distributor where you purchased this product.