RAINUS

# Gateway-G2000

# USER's MANUAL

Version 1.3

2018

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# 1 G2000 INTRODUCTION

G2000 communicates with ESLs through IEEE802.15.4 RF transceivers and interfaces with ESL server.

# 2 G2000 PRODUCT RELEASE & PREPARING TO INSTALL

## 2-1 G2000 PRODUCT RELEASE

▶ Package of the product.

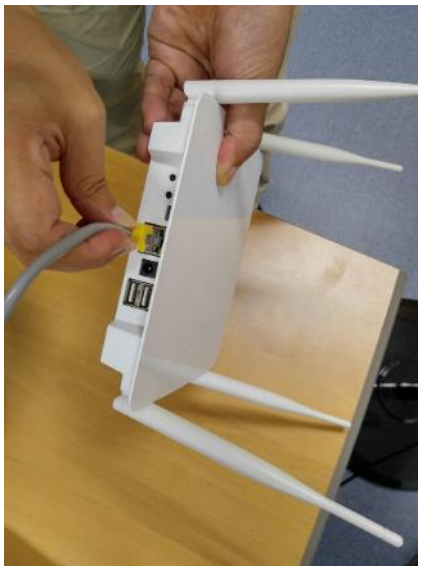
▶ 4 Dipole antennas are coupled to the G2000 Reverse-SMA connectors.

( Caution : Antenna can be damaged if excessive force is applied. when the Reverse-SMA connector is coupled to the antenna if the antenna can cause damage , if left for a

long time at a low temperature after coupling takes damage to the antenna fixing portion. )

## 2-2 G2000 POWER SUPPLY & CHECK OPERATION

▶ Insert the RJ45 (PoE) Connector on the G2000 PoE Connector.



▶ Check the LED

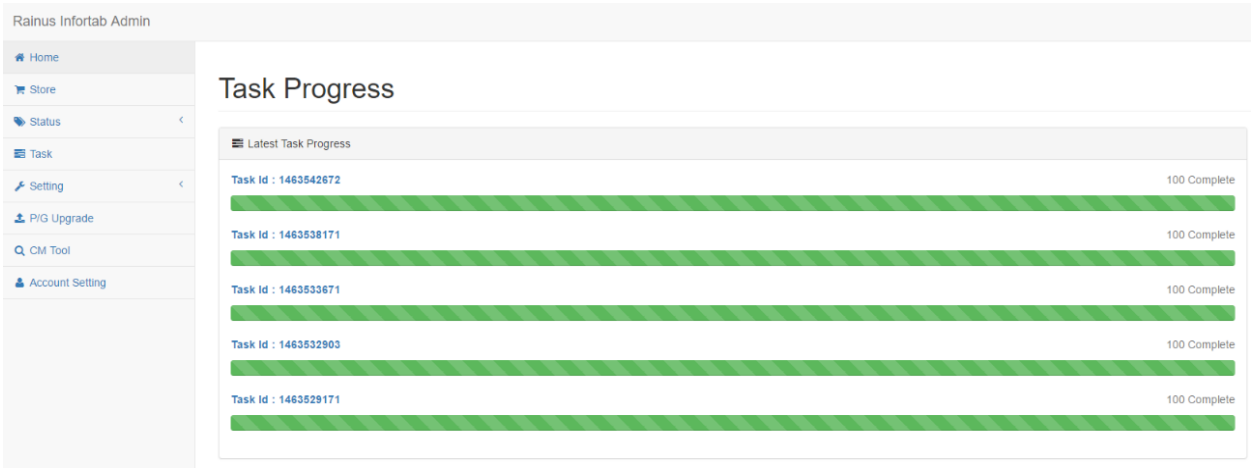
RED : DC 5V power is applied.

GREEN : Operation MCU

BLUE : Operation Ethernet

# 3 HOME

It shows the progress of recent work.



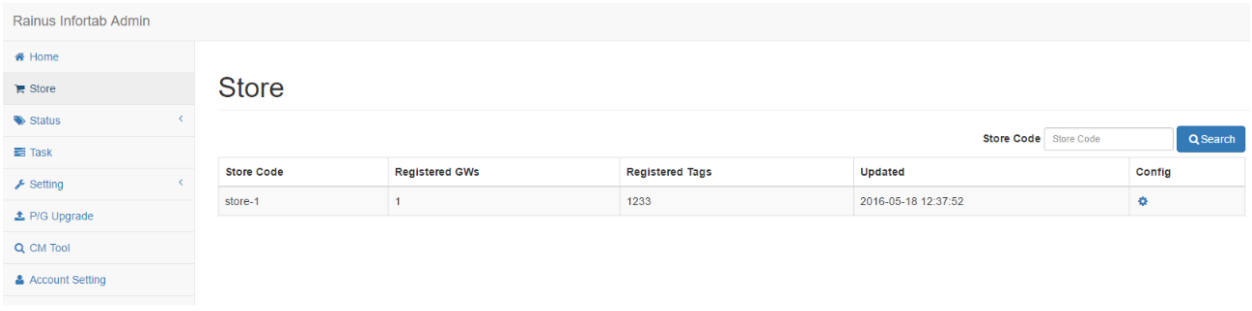

# 4 STORE

Displays a list of registered stores.

The output information is as follows.

- Store code
- Number of installed Gateways
- Number of installed Tags(InforTab)

Click the icon of Configure item to go to setting page.



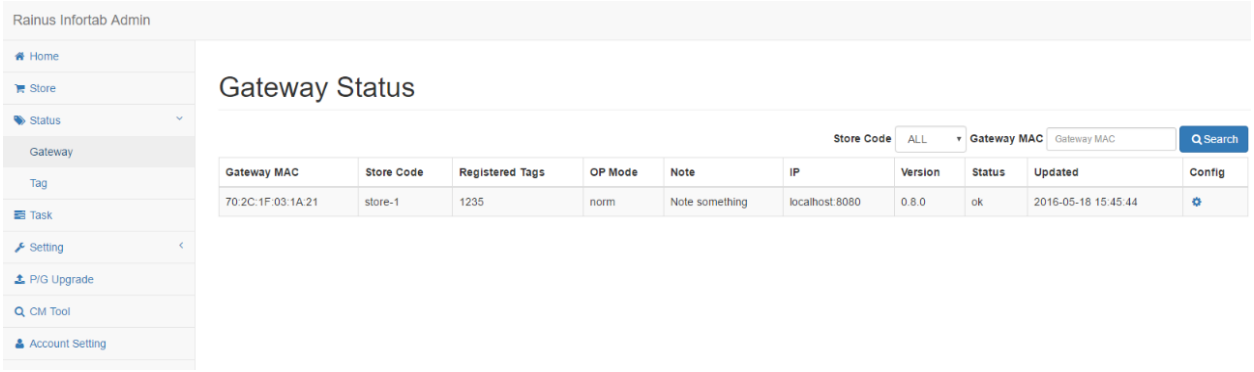
# 5 GATEWAY STATUS

Displays the status information of the Gateway.

The output information is as follows.

- Gateway MAC address
- Store code
- Number of registered Tags
- Operation mode
- IP address
- Version information
- Status informaiton

Click the icon of Configure item to go to setting page.

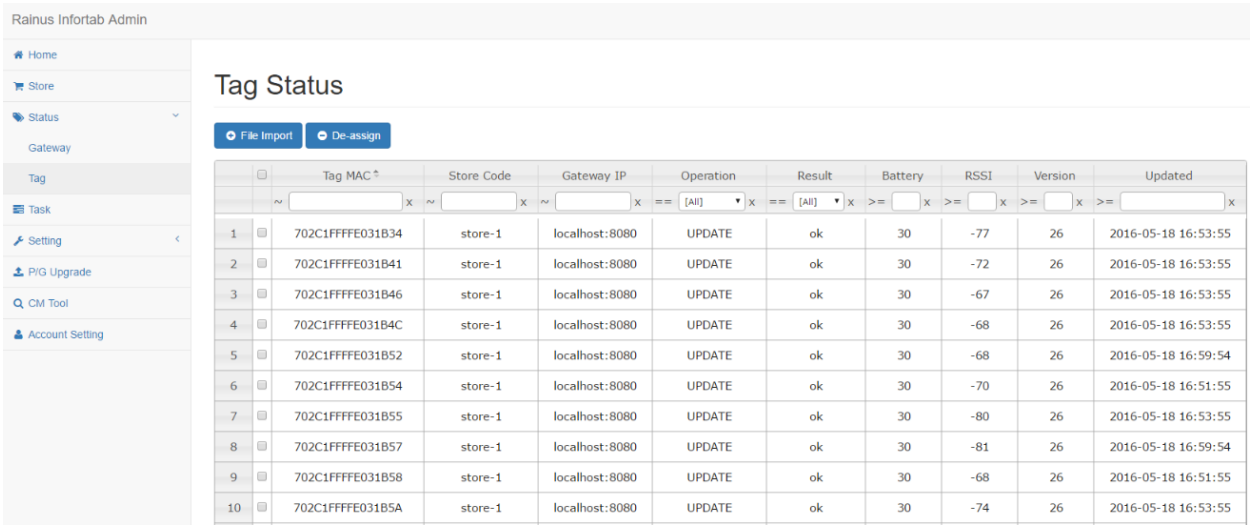


# 6 TAG STATUS

Displays the status information of the Tags

The output information is as follows.

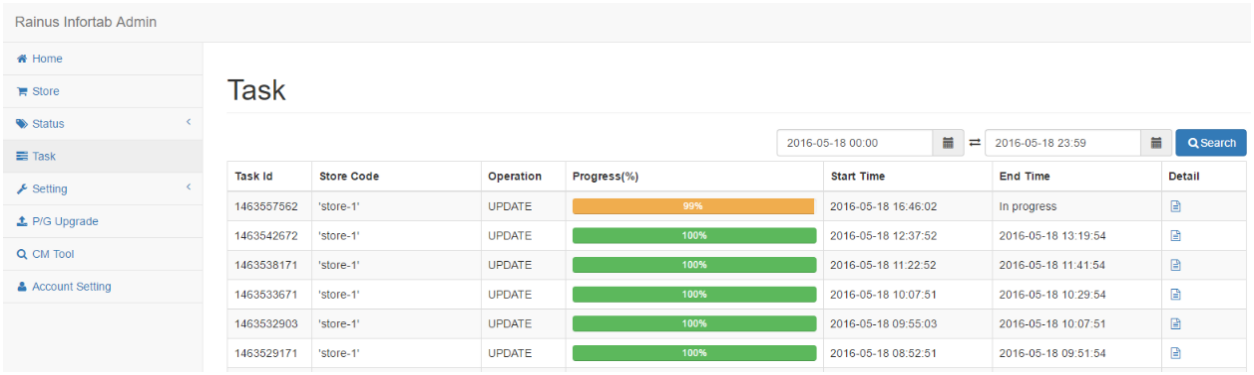
- Tags MAC address
- Store code
- Connected Gateway IP address
- The last work done
- Work result
- Battery
- Received signal strength
- Version information



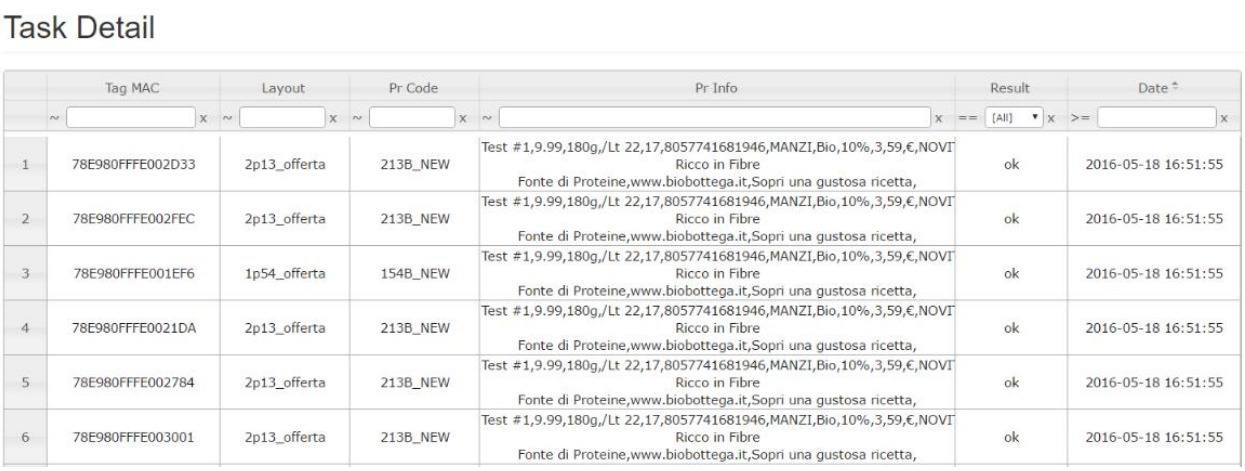
# 7 TASK

Show progress of work.

You can click the icon of the detail item to see the details of the operation.




Here are the details of the work.

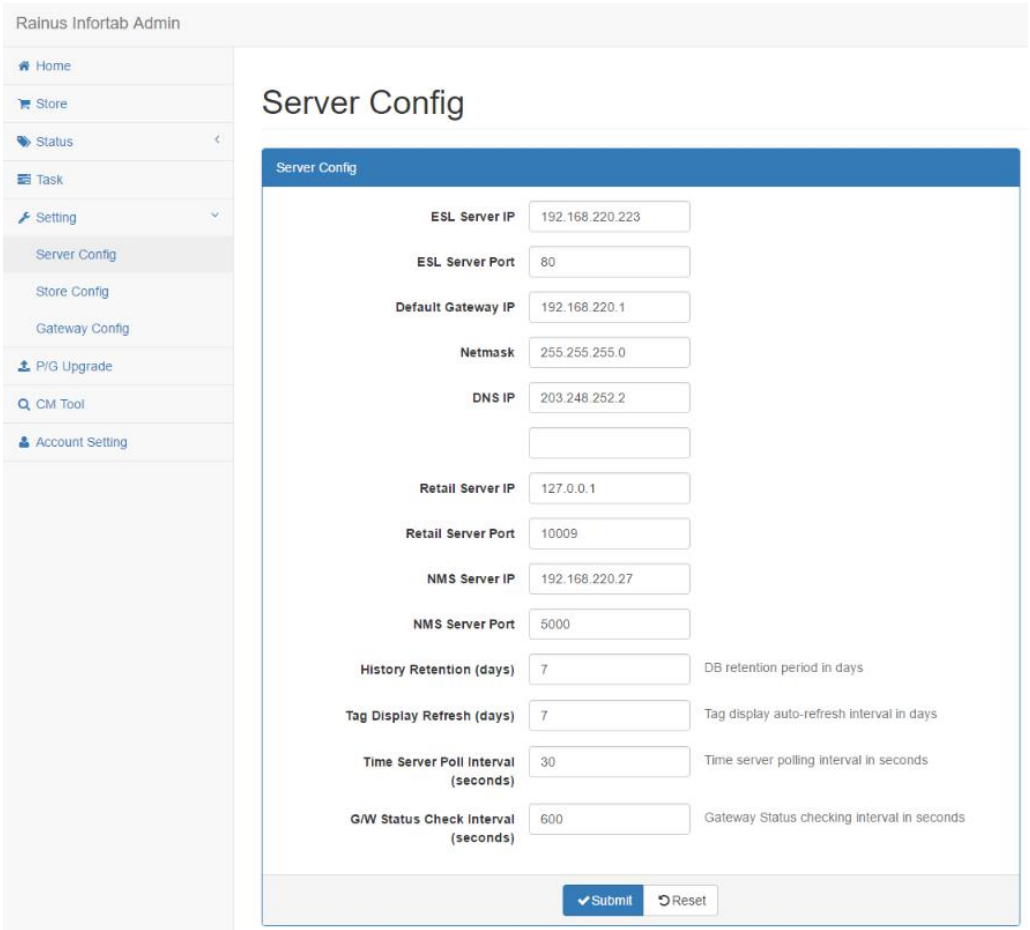


# 8 SERVER CONFIG

Modify server configuration information.

The input information is as follows.

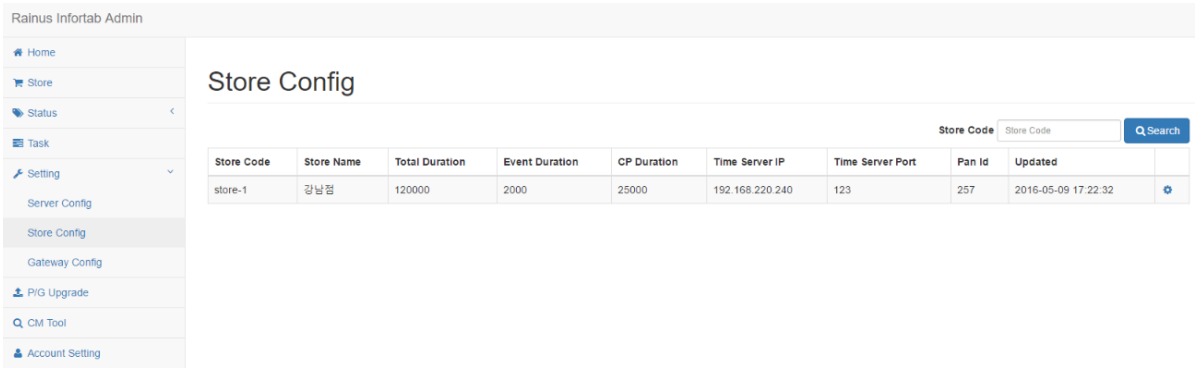
- Server network information
- Retail Server IP address and Port
- NMS Server IP address and Port
- Data retention period
- Tag refresh cycle
- NTP server synchronization cycle
- Gateway status reporting cycle



# 9 STORE CONFIG

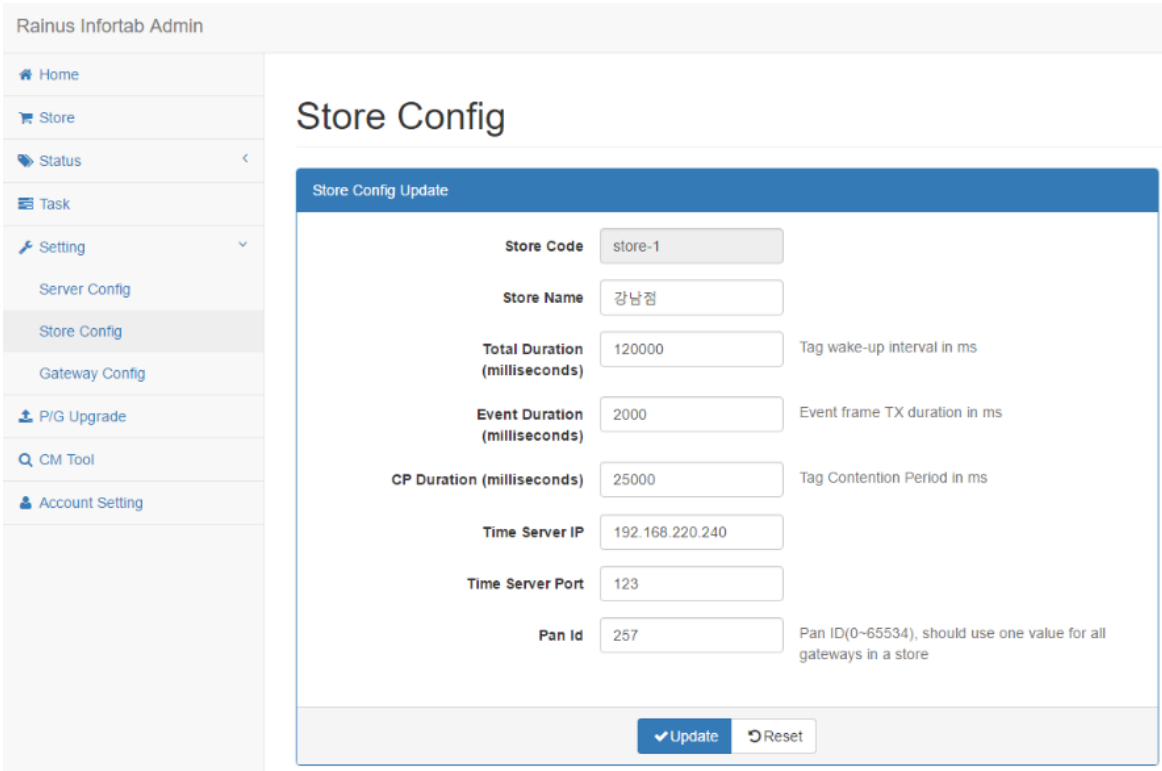
Displays a list of registered store settings information.

Click the icon of the config item to go to the settings page.




The following is the screen to modify store information.

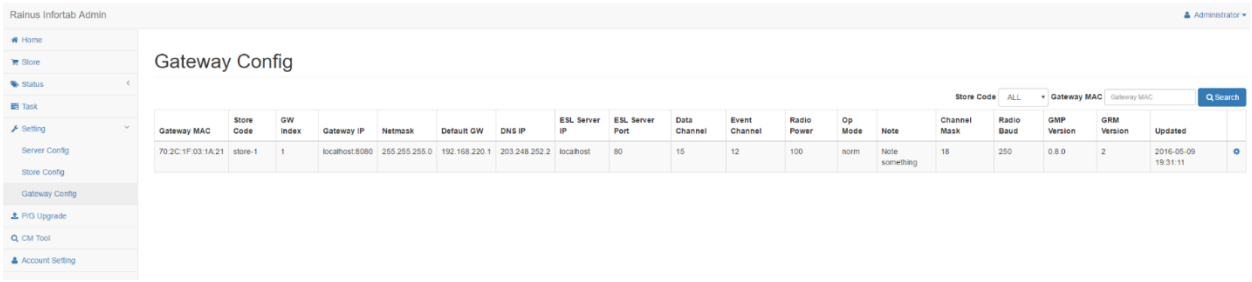
- Store name
- NTP server information



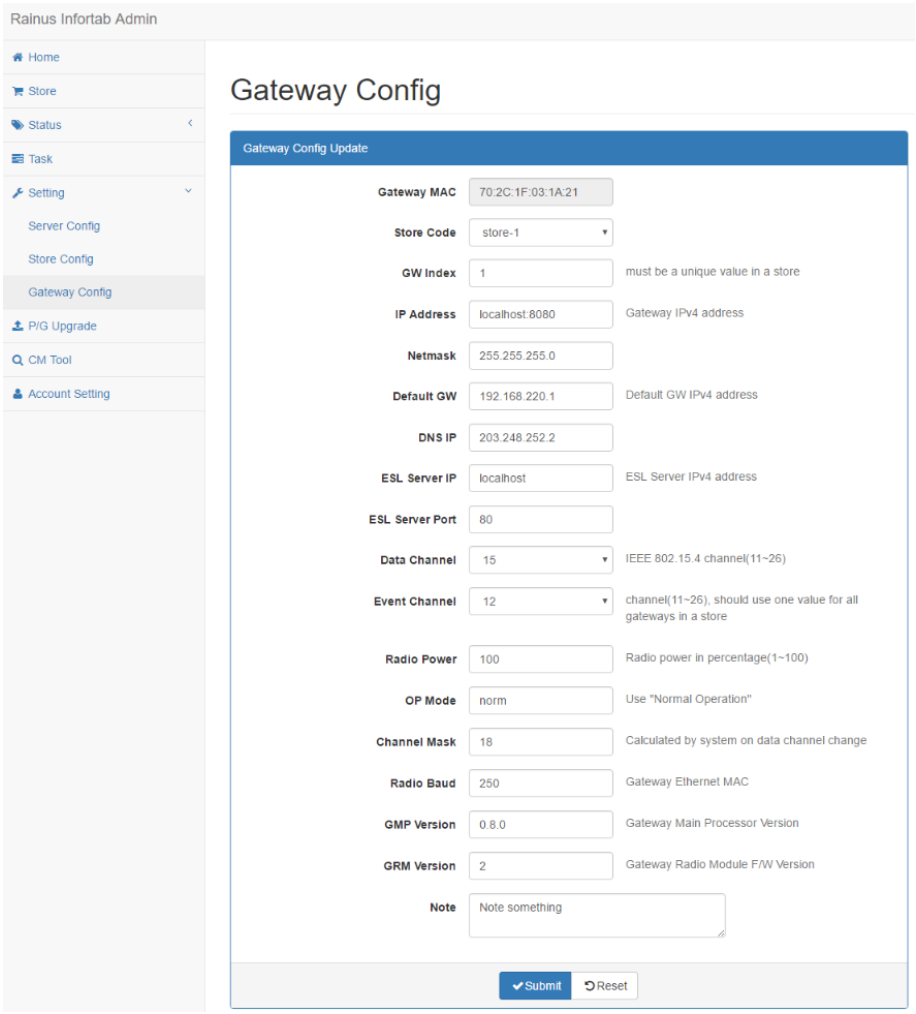
# 10GATEWAY CONFIG

Show list of registered store information.

Click the icon of the config item to go to the settings page.



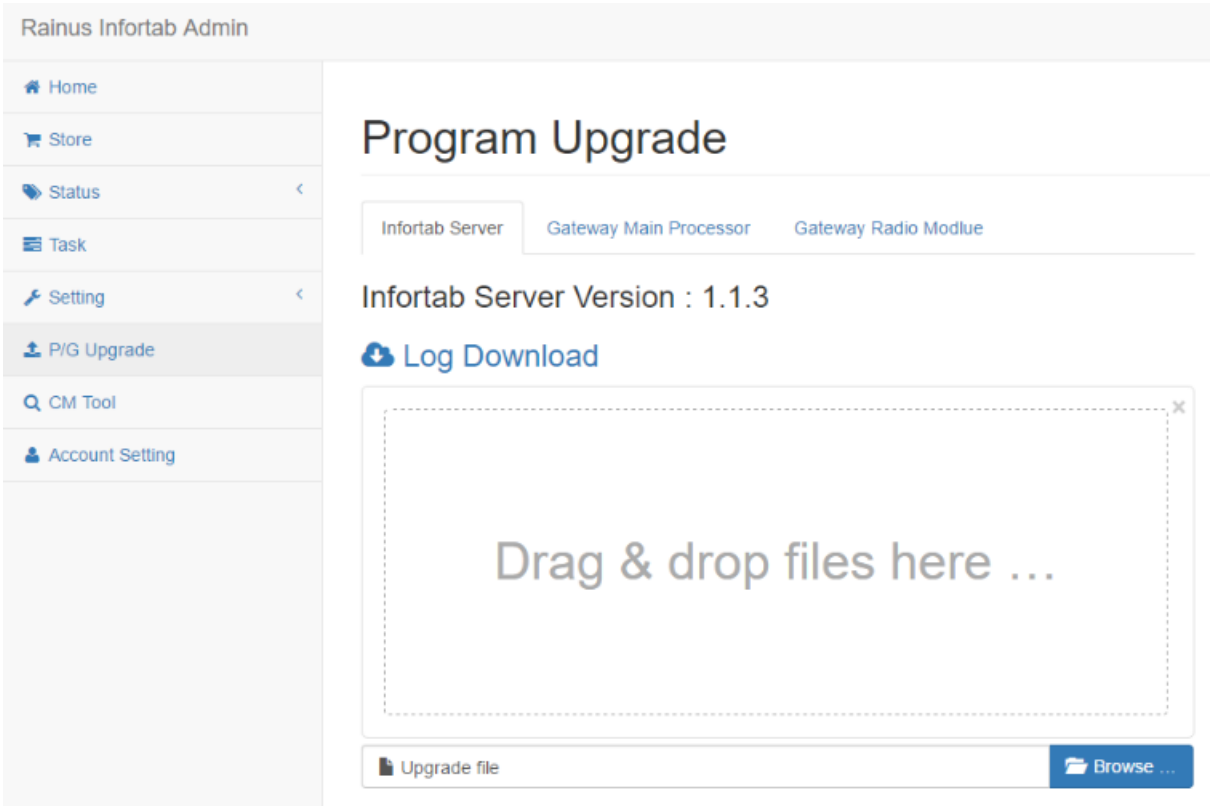

The following is the gateway configuration information modification screen.



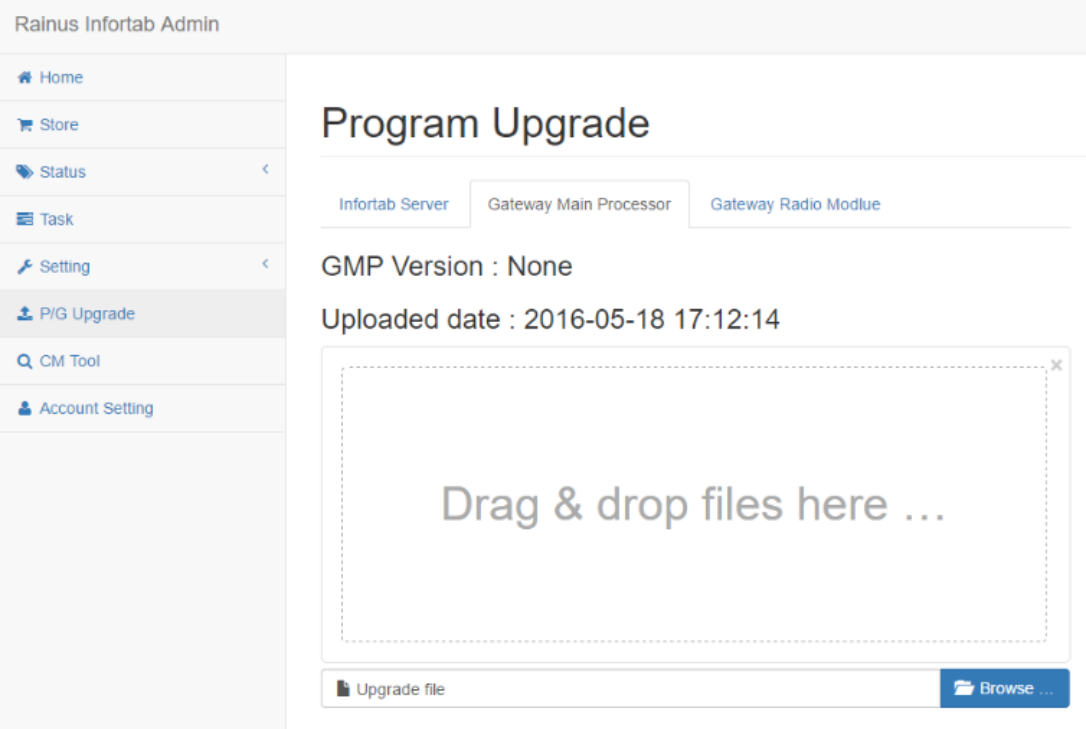
# 11P/G UPGRADE

If the version of the server and the gateway program are changed, the upgrade can be performed by uploading the corresponding file.

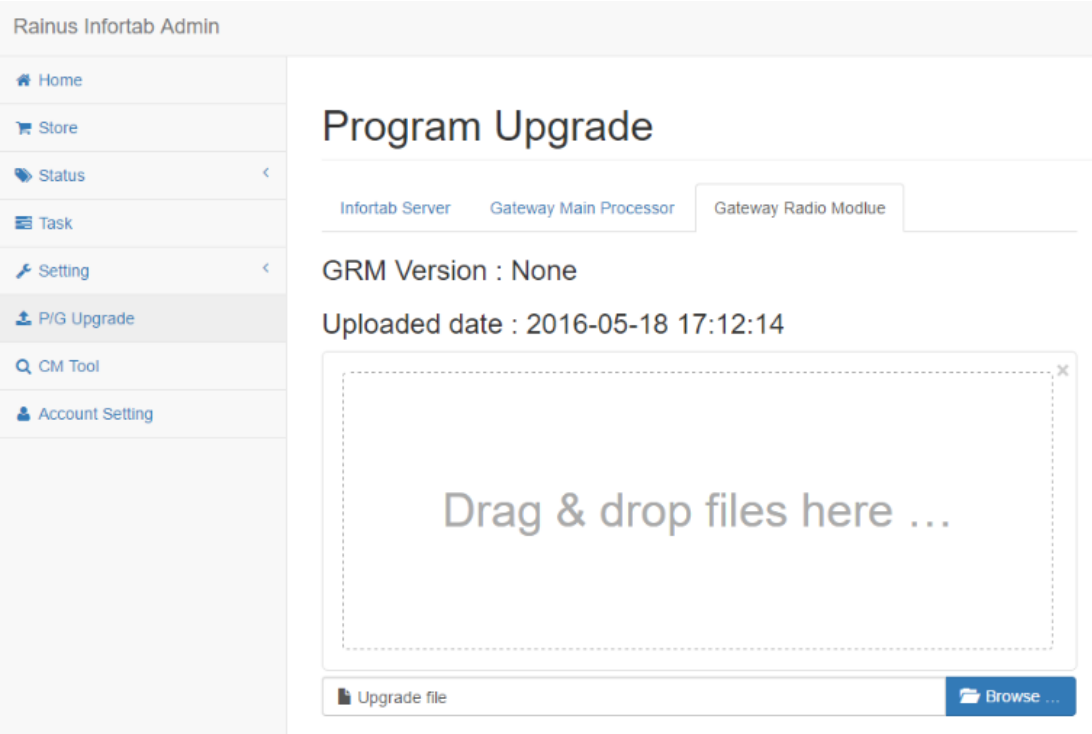
Here is the program upgrade screen on the server.



The following is the gateway main processor program upgrade screen.




The following is the program upgrade screen of the gateway wireless module.

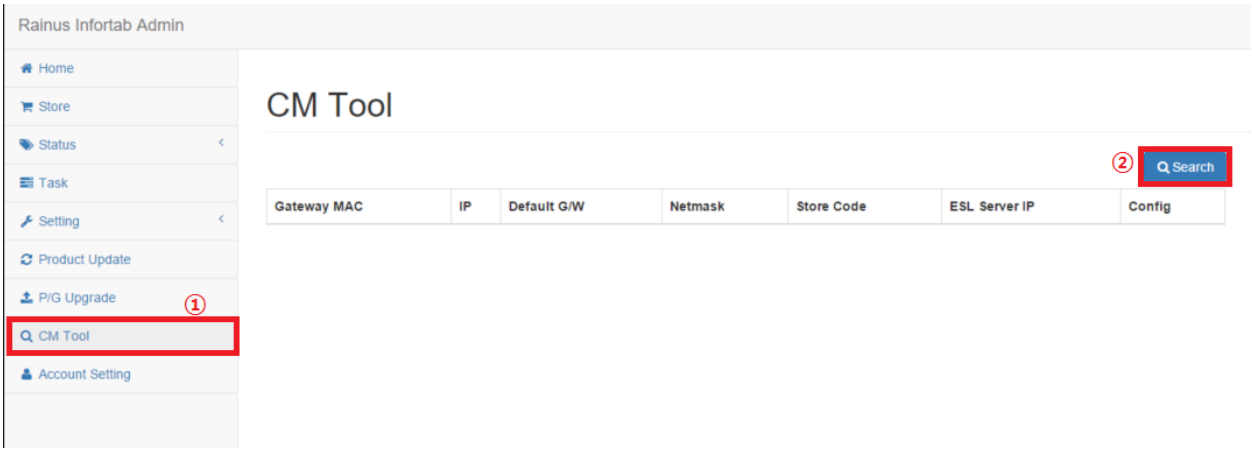


# 12 CONFIGURATION TOOL

Search the gateway installed in the store and change the network-related configuration information.

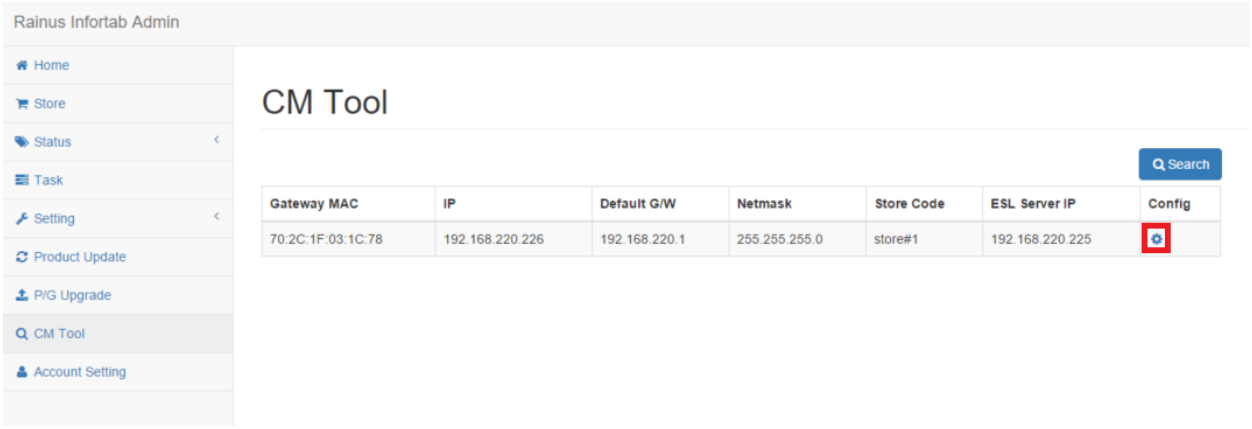
Place the gateway on the same network as the server.

Select the CM Tool menu on the left side and click the Search button on the right side.

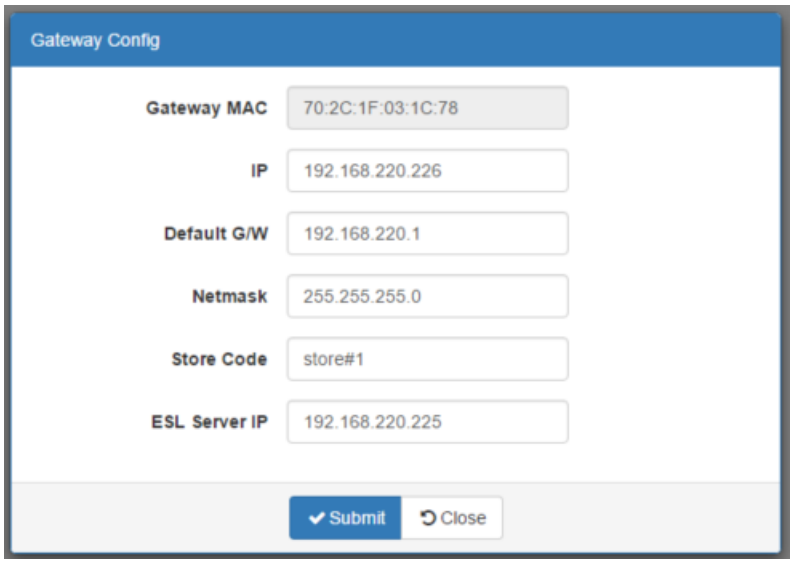



When the screen for the gateway is complete, the results are output as a list.

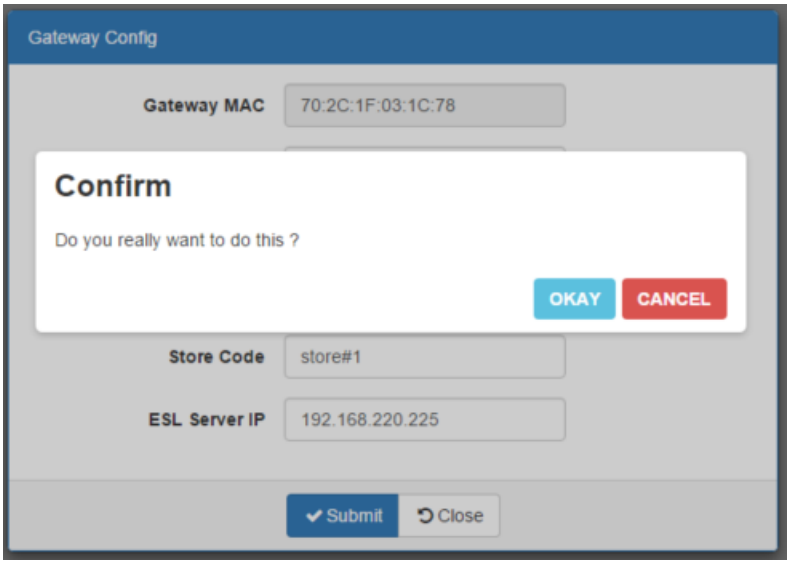
Click the settings icon on the right.



Enter the setup information and click the Submit button.



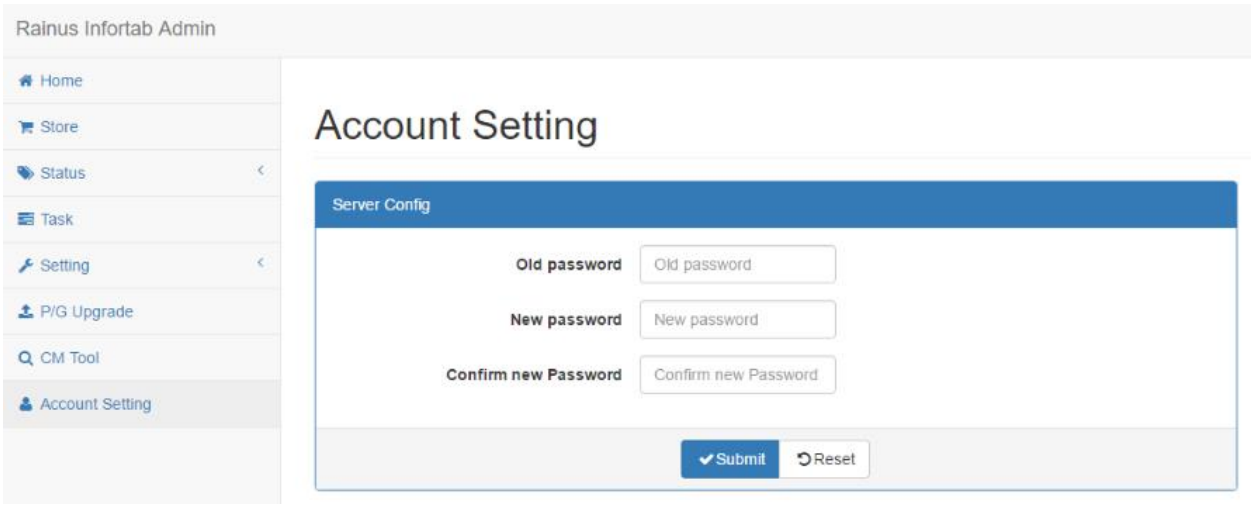

Click the Okay button.



# 13 ACCOUNT SETTING

Change account information.

1. Enter the previous password.
2. Enter a new password.
3. Re-enter the new password.
4. Click the Submit button.



# WARNING

**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.**

# CAUTION

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

**This appliance and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.**

**A minimum separation distance of 20cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.**