

# LoRaWan Setting Guide TTN server, LORA node, and LoRaWAN Gateway

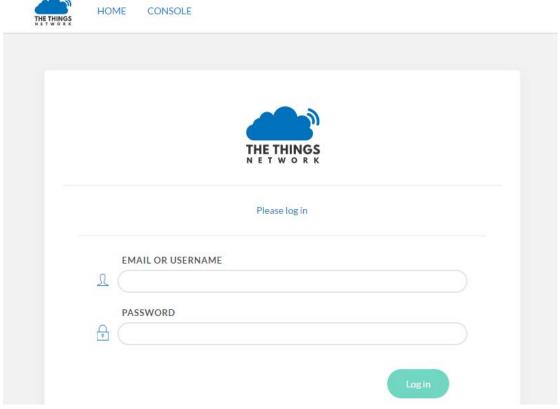




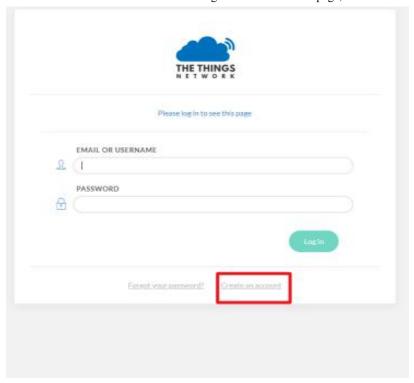
1. Register an account on the TTN server	
2. LORA node and TTN server configuration	
1.Equipment List:	
3. OTAA setting for TTA server node	
4.ABP Setting for TBP Server	
5. The setting for TNN server and LoRaWAN Gateway	13

## 1. Register an account on the TTN server

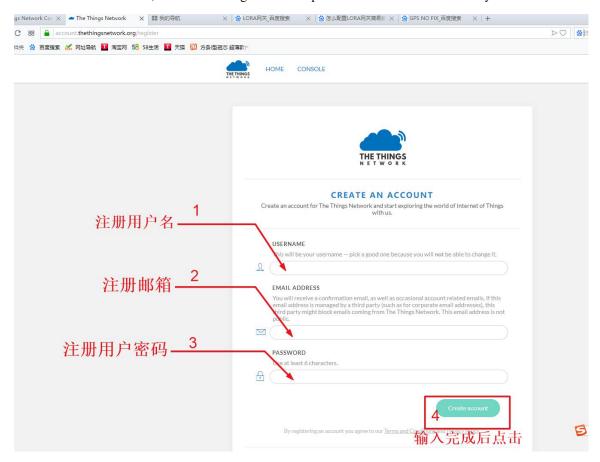
1. Open your browser and enter https://account.thethingsnetwork.org/users/login to enter the page shown below.



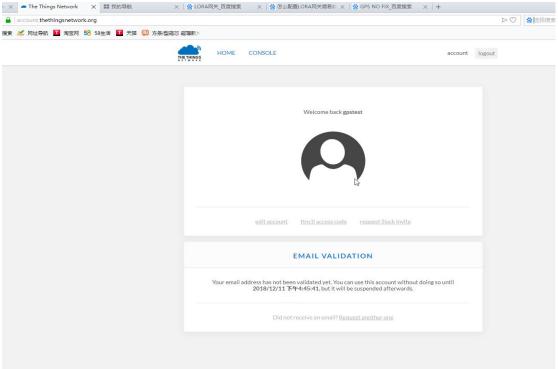
2. Click 'Create an account' in the lower right corner of the web page, as shown in the red box



3. You will go to the following registration page. Enter the registered user name in the first box, enter the registered email address in the second box, and enter the registered user password in the third box. Finally click Create account.

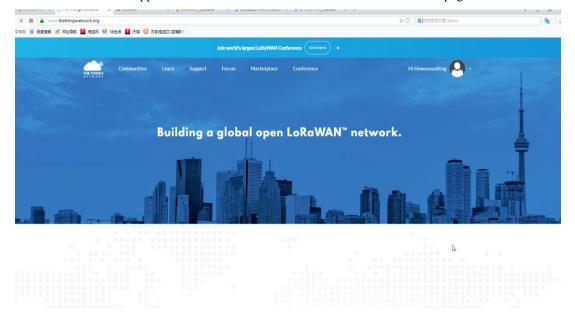


4. The webpage appears as shown to indicate successful registration, and your registration email will also receive a successful registration email from noreply@thethingsnetwork.org.





5. Click HOME in the upper left corner to enter the TTN server LORA welcome page as shown below.



6. The TTN account registration is completed.

## 2. LORA node and TTN server configuration

## 1. Equipment List:

One piece of micro USB interface cable;

One piece of E78-470LN22S node;

PC and serial setting assistant software;

Connect the E78-470LN22S test board to the computer with a USB cable;

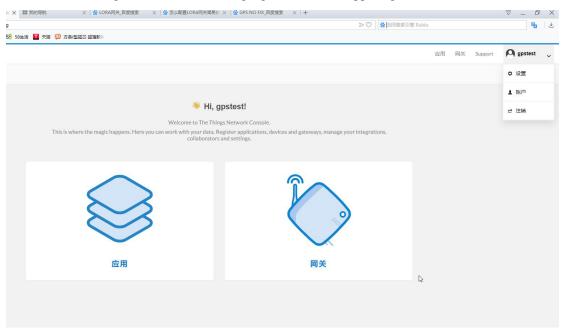


## 3. OTAA setting for TTA server node

1. Enter the TTN homepage and click the upper right corner, as shown below.

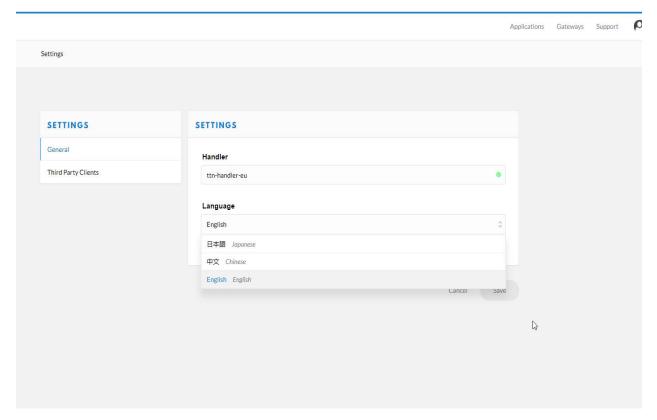


2.Enter the following interface to set the language and click the upper right corner, as shown below.

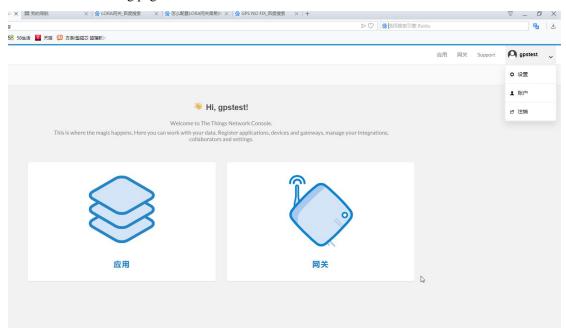




#### 3.Language Choosing:

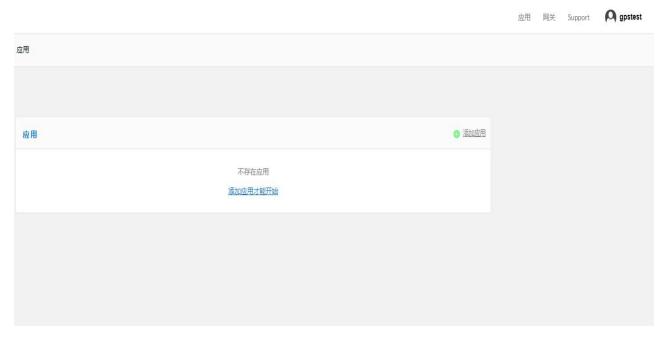


#### 4.Back to the following page





#### 5.Click to add application



#### 6.As shown below:

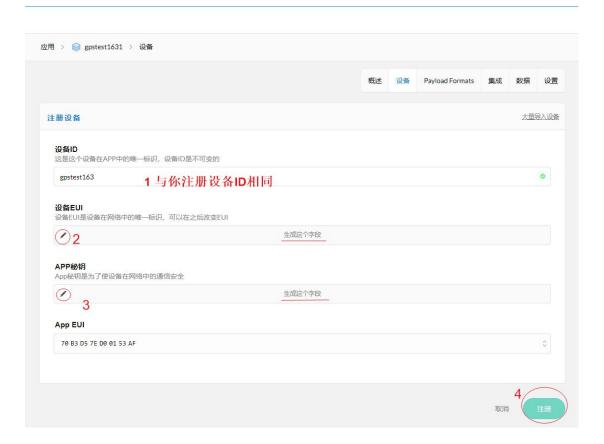




7.Enter the following page as shown below:



8.Enter the following page as shown below:



9.Enter the following page as shown below:

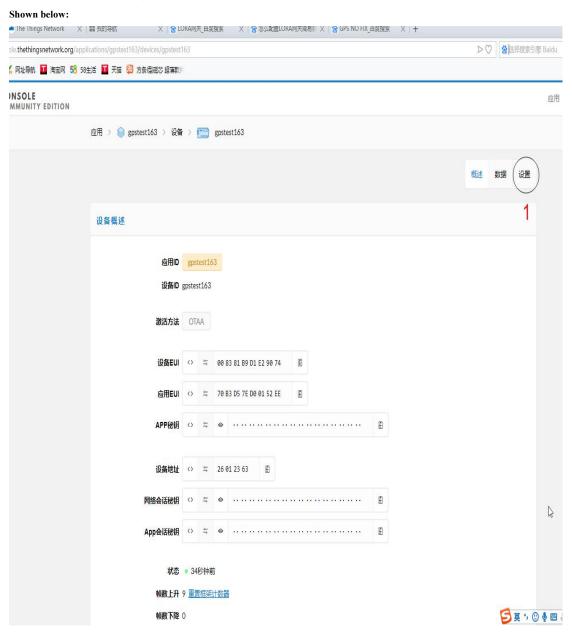


40. The TTN Server Setting is Completed.

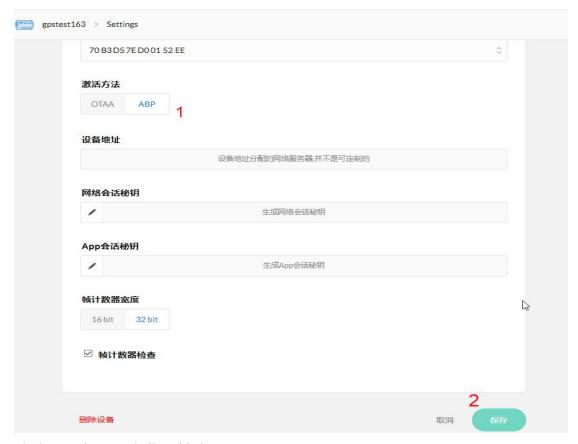


## **4.ABP Setting for TBP Server**

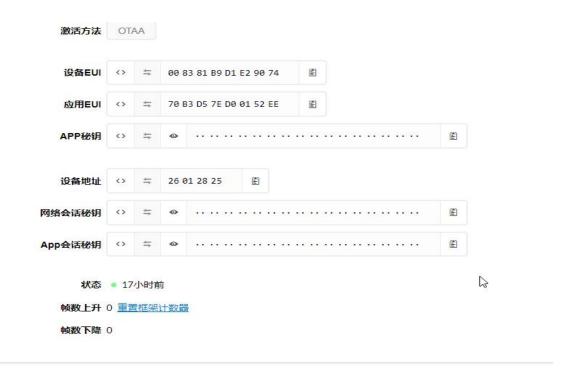
Note: You can set ABP only after OTAA is activated.



#### Shown below:



The later settings are similar with thOTAA.





## 5. The setting for TNN server and LoRaWAN Gateway.

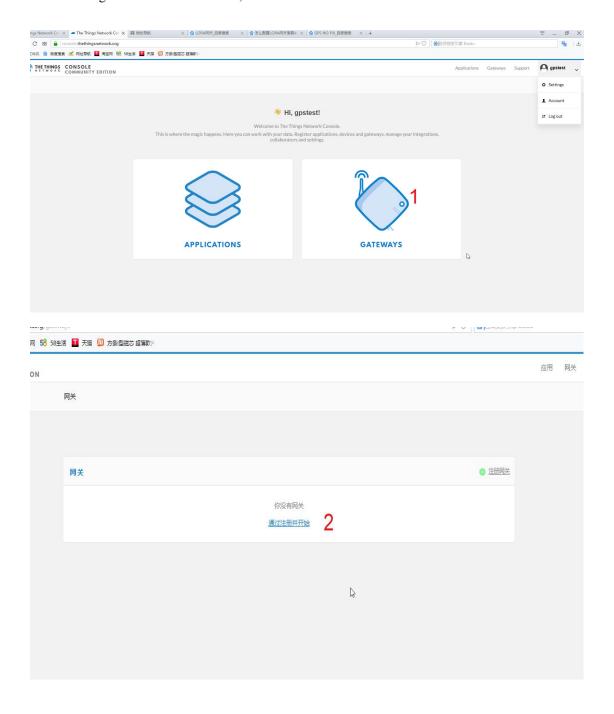
Set the gateway domain name and port to the corresponding IP and port of the TTN server. Here is:

Domain name: ttn.opennetworkinfrastructure.org

IP: 86.119.29.227

Port: 1700 Protocol: UDP

TTN is configured from the server side, as shown below:



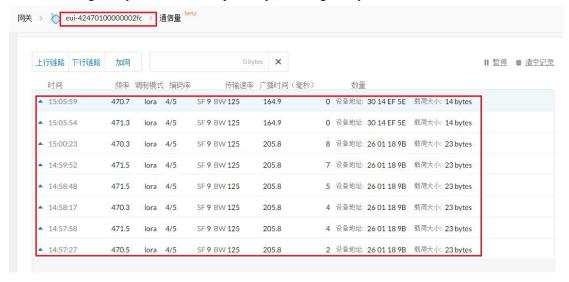
#### Setting details for server, as shown below



After finishing, click "register gateway" under the webpage to complete the configuration.



After the above configuration is completed. The node and gateway information is configured. After power-on, you can see the corresponding status icon of the device on the TTN webpage indicator changes from gray to green: you can see the data of the gateway and the node respectively, and the gateway data is as follows:



The node data looks like this:



For specific node settings, please refer to the E78-400M22S manual.