




Creating a TTN(the things network) account:



 Learn Hardware Forum Communities Conference Enterprise Login [Sign up](#)



Experiment and explore with The Things Network

- ✓ Get hands-on experience with LoRaWAN®
- ✓ Support your local IoT/LoRaWAN community
- ✓ Build and participate in community projects
- ✗ Fair usage policy applies (not suitable for businesses)
- ✗ May experience occasional downtimes with no high availability


[Join The Things Network](#)



Build, grow and scale with The Things Stack Cloud


- ✓ Out-of-the-box LoRaWAN® Network Server
- ✓ 100% private, secure and isolated network
- ✓ Suitable for commercial, industrial use
- ✓ >99.9% guaranteed uptime
- ✓ Advanced network management features
- ✓ Pays-as-you-go pricing plans

[Get started for free](#)




Create one ID to get access to all our products.


One secure account for The Things Network and future services gathered in one place.



Username •

Email •

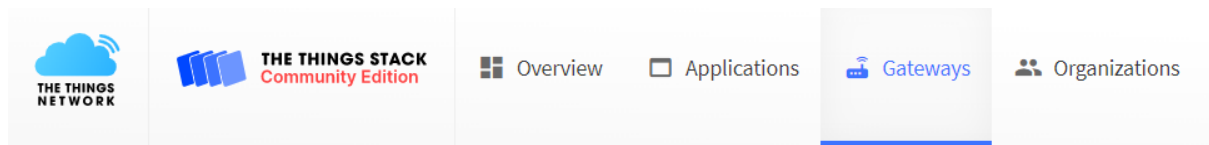
Password •
Must be at least 6 characters 

Confirm Password •
Must be identic as above 

☐ By checking this box, you agree to our [Terms and Conditions](#) and [Privacy Policy](#).

[Sign up to The Things ID](#)

Registering the gateway(Wisgate edge lite 2):



Register gateway

Register your gateway to enable data traffic between nearby end devices and the network.
Learn more in our guide on [Adding Gateways](#).

Gateway EUI [?](#)

AC 1F 09 FF FE 08 BA 8F

Confirm

To continue, please confirm the Gateway EUI so we can determine onboarding options

Register your gateway to enable data traffic between nearby end devices and the network.
Learn more in our guide on [Adding Gateways](#).

Gateway EUI [?](#)

AC 1F 09 FF FE 08 BA 8F

Reset

Gateway ID [?](#) *

eui-ac1f09ffe08ba8f

Gateway name [?](#)

Test

Frequency plan [?](#) *

Europe 863-870 MHz (SF9 for RX2 - recommended)



☐ Require authenticated connection [?](#)

Choose this option eg. if your gateway is powered by [LoRa Basic Station](#)

Share gateway information

Select which information can be seen by other network participants, including [Packet Broker](#)

☒ Share status within network [?](#)

☒ Share location within network [?](#)

Register gateway

THE THINGS STACK

Community Edition

Overview

Applications

Gateways

Organizations

EU1 Community

No SLA applicable

vasco-mago

Indoor GW PAP

Overview

Live data

Location

Collaborators

API keys

General settings

Gateways > Indoor GW PAP

Indoor GW PAP

ID: eui-ac1f09fffe08ba8f

↑ 24,007

↓ 24,007

Last activity 24 seconds ago

1 Collaborator

1 API key

General information

Gateway ID

eui-ac1f09fffe08ba8f

Gateway EUI

AC 1F 09 FF FE 08 BA 8F

Gateway description

None

Created at

Feb 10, 2023 17:22:41

Last updated at

Feb 11, 2023 17:07:18

Live data

See all activity →

11:35:53

Send downlink message

Tx Power: 16.15

Data rate: SF7BW125

11:35:53

Receive uplink message

DevAddr: 26 08 73 42

FCnt: 0

11:35:26

Send downlink message

Tx Power: 16.15

Data rate: SF7BW125

11:35:26

Receive uplink message

DevAddr: 26 08 73 42

FCnt: 0

Creating an application:

THE THINGS STACK

Community Edition

Overview

Applications

Gateways

Organizations

EU1 Community

No SLA applicable

vasco-magolo

Create application

Within applications, you can register and manage end devices and their network data. After setting up your device fleet, use one of our many integration options to pass relevant data to your external services.

Learn more in our guide on [Adding Applications](#).

Application ID *

test2lorasensor

Application name

Test2 Lora Sensor

Description

creating a grid from the beginning and take prints

Optional application description; can also be used to save notes about the application

Create application

© 2023 The Things Stack by The Things Network and The Things Industries

EN

v3.24.1 (48e5ea464)

Documentation

Status page

Get support

Registering an end-device(rak 4630):

THE THINGS STACK

Community Edition

Overview

Applications

Gateways

Organizations

EU1 Community

Fair use policy applies

vasco-magolo

Gateways (1)

Search

Register gateway

ID	Name	Gateway EUI	Status	Created at
eui-ac1f09fffe08ba8f	Indoor GW PAP	AC 1F 09 FF FE 08 BA 8F	Connected	Feb 10, 2023



First Test
ID: test-hum-temp

• Last activity just now ⓘ

1 End device

2 Collaborators

10 API keys

General information

Application ID	test-hum-temp	
Created at	Feb 12, 2023 12:14:49	
Last updated at	Feb 12, 2023 12:46:19	

• Live data

See all activity →

↑ 11:37:14	eui-ac1f09...	Forward uplink data message
↑ 11:36:47	eui-ac1f09...	Forward uplink data message
↑ 11:36:20	eui-ac1f09...	Forward uplink data message
↑ 11:35:53	eui-ac1f09...	Forward uplink data message
↑ 11:35:26	eui-ac1f09...	Forward uplink data message
↑ 11:34:59	eui-ac1f09...	Forward uplink data message


End devices (1)


Search

Import end devices

+ Register end device

ID ⓘ	Name ⓘ	DevEUI	JoinEUI	Last activity ⓘ
eui-ac1f09fffe08e925		AC 1F 09 FF FE 08 E9 25	10 00 00 00 00 00 00 00	just now •





Overview

Applications

Gateways

Organizations

Test2 Lora Sensor

Overview

End devices

Live data

Payload formatters

Integrations

Collaborators

API keys

General settings

Applications > Test2 Lora Sensor > End devices

Register end device

Does your end device have a QR code? Scan it to speed up onboarding.

Scan end device QR code

Device registration help

End device type

Input Method

Select the end device in the LoRaWAN Device Repository

Enter end device specifics manually

End device brand

Type to search...

Cannot find your exact end device? [Get help here](#) and try **enter end device specifics manually** option above.

Register end device

Does your end device have a QR code? Scan it to speed up onboarding.

Scan end device QR code

Device registration help

End device type

Input Method

- Select the end device in the LoRaWAN Device Repository
- Enter end device specifics manually

Frequency plan

Europe 863-870 MHz (SF9 for RX2 - recommended)

LoRaWAN version

LoRaWAN Specification 1.0.3

Regional Parameters version

RP001 Regional Parameters 1.0.3 revision A

[Show advanced activation, LoRaWAN class and cluster settings](#)

Provisioning information

JoinEUI

10 00 00 00 00 00 00 00

Confirm

To continue, please enter the JoinEUI of the end device so we can determine onboarding options

Provisioning information

JoinEUI ⓘ *

10 00 00 00 00 00 00 00

Reset

This end device can be registered on the network

DevEUI ⓘ *

AC 1F 09 FF FE 08 E9 25

Generate

0/50 used

AppKey ⓘ *

6F D8 4F 7F E7 C1 47 41 9D 73 9F D5 8C 5B 71 30

Generate

End device ID ⓘ *

eui-ac1f09fffe08e925

This value is automatically prefilled using the DevEUI

After registration

- ☒ View registered end device
- ☐ Register another end device of this type

Register end device



eui-ac1f09fffe08e925

ID: eui-ac1f09fffe08e925

↑ 25,102 ↓ 25,062 • Last activity 36 seconds ago ⓘ

Overview Live data Messaging Location Payload formatters Claiming General settings

General information

End device ID

eui-ac1f09fffe08e925

Frequency plan

Europe 863-870 MHz (SF9 for RX2 - recommen...

LoRaWAN version

LoRaWAN Specification 1.0.3

Regional Parameters version

RP001 Regional Parameters 1.0.3 revision A

Created at

Feb 12, 2023 12:26:31

Activation information

AppEUI

10 00 00 00 00 00 00 00

DevEUI

AC 1F 09 FF FE 08 E9 25

Live data

See all activity →

↓ 11:39:30	Schedule data downlink for transmission on Gateway Server	Dev
↑ 11:39:29	Forward uplink data message DevAddr: 26 0B 73 42	Pa
↑ 11:39:29	Successfully processed data message DevAddr: 26 0B 73 42	<>
↓ 11:39:03	Schedule data downlink for transmission on Gateway Server	Dev
↑ 11:39:02	Forward uplink data message DevAddr: 26 0B 73 42	Pa
↑ 11:39:02	Successfully processed data message DevAddr: 26 0B 73 42	<>

Location

Change location settings →

