



# Sigfox Ready End-Product Certificate

What should I do?

# Sigfox End-Product Certificate : What is it?



The Sigfox Ready End-Product Certificate is an **ID** used to register your product on the **Sigfox cloud**. It is obtained after undergoing a **Sigfox Ready Certification Program**.

The Certification ID is composed of :

- The **P** letter, stands for **Product**
- A unique **Manufacturer code** (4 hexadecimal digits)
- A unique product **Certification code** (4 hexadecimal digits)
- A **Certification revision** (2 hexadecimal digits)

For instance here is a dummy Sigfox Ready End-Product Certificate : P\_0001\_AFAF\_XX

This ID is used for **every product** of a same model.

# Sigfox End-Product Certificate

1. Single device registration
2. Device bulk registration
3. Single device edition
4. Device bulk edition
5. Sigfox backend API

# Sigfox End-Product Certificate : Single device registration

**Device - New**

**Device information**

Identifier (hex)

Name

PAC

End product certificate  ⓘ

[Where can I find the end product certificate?](#)

Type

Lat (-90° to +90°)

Lng (-180° to +180°)

Map [Locate on map](#)

1. Browse to the **Device** tab and click on **New**
2. Enter device information, including the **Product Certificate**



Clicking on the « Where can I find the end product certificate? » link allows you to search the Partner Network for it.



If you do not know your device's product certificate and could not find it as described above, please contact the **device seller**.

# Sigfox End-Product Certificate : Device bulk registration

**Device - Bulk creation**

Use this feature to create several devices simultaneously

**Device information**

Batch name: Devices\_batch

Batch description: Devices registered as a batch

Devices names prefix:

Type: Keyapp ETSI

Identifiers: Parcourir... batch.csv.txt

End product certificate: P\_0006\_DBD8\_01

Where can I find the end product certificate?

Ok Cancel

1. Browse to the **Device** tab and click on **New Series**
2. Enter device information, including the **Product Certificate**, and select the **text** or **CSV file** \*



Clicking on the « Where can I find the end product certificate? » link allows you to search the Partner Network for it.



If you do not know your device's product certificate and could not find it as described above, please contact the **device seller**.

# Sigfox End-Product Certificate : Single device edition

**Device 77FFF - Edition**

**Device information**

Identifier (hex):

Name:

PAC:

End product certificate:  ⓘ

Where can I find the end product certificate?

Lat (-90° to +90°):

Lng (-180° to +180°):

Map:

Subscription automatic renewal:

1. Browse to the **Device** tab

2. Click on your **Device ID**

3. Enter the device **Product Certificate**



Clicking on the « Where can I find the end product certificate? » link allows you to search the Partner Network for it.



If you do not know your device's product certificate and could not find it as described above, please contact the **device seller**.

# Sigfox End-Product Certificate : Device bulk edition

**Device - Bulk edition**

Use this Feature to edit several devices simultaneously

**Device information**

Devices  Aucun fichier sélectionné 

**Format of the file to choose**

The format of the file has to be `.txt` or `.csv`  
One device per line, each information separated by a semicolon, a colon, a comma or a space  
Format: device id, name, latitude, longitude, product certificate key, product certificate type, product certificate validity, product certificate expiration date, product certificate activation date, product certificate deactivation date, product certificate activation status, product certificate deactivation status, product certificate activation date, product certificate deactivation date, product certificate activation status, product certificate deactivation status

Example file :

```
0017B46C;EMTEST;12.478;45.147;P_0006_DBD8_01;true;
0017B46D;;;P_0006_DBD8_01;;
0017B46E;;12.478;45.147;;;
0017B46F;EMTEST2;;;false;
0017B470;;;P_0006_DBD8_01;;
0017B471;;;true
0017B472;;;true;true
0017B473;;;P_0006_DBD8_01;;
```

1. Browse to the **Device** tab and click on **Edit series**
2. Select the **text** or **CSV** file \* containing the necessary information (including the Product certificate)



To assess file format click on the question mark icon. The first line describes the file format providing all information for one device.



If you do not know your device's product certificate please contact the **device seller**.

# Sigfox End-Product Certificate : Backend API

When **registering devices** through API you can specify the **Product Certificate** in the request body as follows :

```
POST https://backend.sigfox.com/api/devicetypes/{devicetype-id}/devices/bulk/create/async

{
  "prefix" : "test-device-",
  "ids" : [
    { "id" : "C031", "pac": "6A757C859B23471E" },
    { "id" : "C032", "pac": "374FC61194FC4DA8" },
    ...
  ]
  "productCertificate" : "P_0004_D356_03"
}
```

Parameters:

- `devicetype-id`: the device type identifier as returned by the `/api/devicetypes` endpoint.

Fields:

- `prefix`: used to create the name of each device, by prepending it to the device's identifier
- `ids`: list of device identifiers that have to be registered
- `id`: identifier of the device
- `pac`: porting authorization code for this device

Optionally, the request can also have the following parameter:

- `productCertificate`: product certificate key to associate to each device.



This operation is performed using the **Registering new devices** endpoint

# Sigfox End-Product Certificate : Backend API

When **editing devices** through API \* you can specify the **Product Certificate** in the request body as follows :

```
POST https://backend.sigfox.com/api/devices/bulk/edit

[
  {
    "id": "0001",
    "name": "Device 1 name",
    "lat": 44.238767642997374,
    "lng": 4.296564571559429,
    "deviceTypeId": "4dc3ff652f0f79bbe5c6785a",
    "tokenRenewForbidden": true
  }, {
    "id": "0002",
    "name": "Device 2 name",
    "lat": 45.167965154987326,
    "lng": 3.998845362154745
  }
]
```

Parameters:

- None

Fields:

- `id`: device id to change
- `name`: new device name
- `lat`: new device latitude
- `lng`: new device longitude
- `tokenRenewForbidden`: prevent the device to renew its token after the end of its current method)
- `deviceTypeId`: id of the new device type
- `productCertificate`: new product certificate



This operation is performed using the **Editing a list of devices** endpoint



\* Please note that request size is limited to 10MB, or approximately 300k objects.