

#### 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



- 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



- Browse to the **Device** tab and click on **New** Series
- 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**.



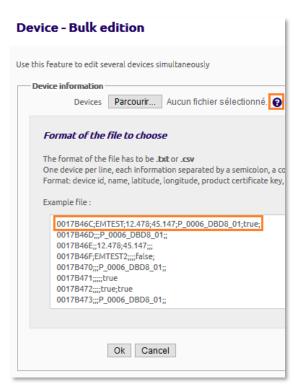
### Sigfox End-Product Certificate : Single device edition



- 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



- 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-".
            "id" : "C031", "pac": "6A757C859B23471B" },
           "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
. 1at: new device latitude

    Ing: new device longitude

    sotenPenerPorbidden: prevent the device to renew its token after the end of its cur

 method)
· deviceTypeId: id of the new device type

    productCertificate: New product certificate
```

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



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