



Domain: SIMinfo

Product: IMEI

Version: v1

Access: Pre-Commercial/Commercial



api@orange.com

API allows getting the IMEI number - International Mobile Station Equipment Identity of the device in which is the SIM card with information about the device.

## API details

Authorization	APIKey
HTTP Method	GET
URI request for IMEI	<p><a href="https://{host}/SIMinfo/v1/IMEI?MSISDN=...&amp;apikey=...">https://{host}/SIMinfo/v1/IMEI?MSISDN=...&amp;apikey=...</a></p> <p>where: For commercial access host is apib2b.orange.pl</p> <p>For pre-commercial access host is apib2b-test.orange.pl</p>
URI request for documentation	<p>swagger 2.0 format: <a href="https://{host}/SIMinfo/v1/IMEI/doc.json">https://{host}/SIMinfo/v1/IMEI/doc.json</a></p> <p>pdf format: <a href="https://{host}/SIMinfo/v1/IMEI/doc.pdf">https://{host}/SIMinfo/v1/IMEI/doc.pdf</a></p>
URI request to check the limit	<a href="https://{host}/SIMinfo/v1/IMEI/limit?apikey=...">https://{host}/SIMinfo/v1/IMEI/limit?apikey=...</a>
Remarks	The API is fully functional only for subscribers registered in Polish Orange network.



## API Request Parameters

The request parameters for SIM IMEI number operation are following:

Parameter	Description	Type
msisdn	The number of SIM card, 11 digits long MSISDN in international format, i.e. MSISDN=48510123456.	Integer
apikey	Authentication key. A string of characters used to authenticate and authorize the client to invoke APIs. Each client has to receive his own, unique key from Orange.	String

## API Response Body

The response body for this operation is represented by the following JSON data structure, where the value part of each name/value pair indicates its data type:

Parameter	Description	Type
msisdn	The number of SIM card, which has been requested.	Integer
result	Result of request eg. <i>OK</i> , <i>WRONG MSISDN FORMAT</i> .	String
imei	IMEI number including information about origin, model, and serial number of the device.	String
handset	Detailed information about the device.	String

## Response Body for checking limit of IMEI API

Parameter	Description	Type
used	Number of utilized API requests.	Integer
available	Number of remaining API Request in defined time.	Integer
date	Date of reset counter of API usage.	Date

## HTTP Errors

The Headers of error response are standard HTTP Status Codes:

400 Bad Request  
401 Unauthorized  
403 Forbidden  
404 Not found  
405 Validation Exception  
500 Internal Server Error  
503 Service Unavailable

## Error Body

The body of **failed** response contains the error code with details of error:

Parameter	Description	Type
code	Error code.	Integer
message	Main reason of error.	String
description	Details of error.	String

## List of error codes

HTTP 400:

Codes:

30 - Missing parameters - parameter MSISDN is required.  
31 - Wrong parameter format - parameter MSISDN consists of 11 digits:  
CountryCode + 9 digits.  
32 - Wrong parameter format - parameter MSISDN should be Polish number,  
beginning with Country Code = "48".

HTTP 401:

Codes:

40 - Missing credentials.  
41 - Invalid credentials - the requested service needs credentials, but the provided  
ones were invalid.

HTTP 403:

Codes:

50 - Access denied - the application that makes the request is not authorized to  
access this endpoint.



51 - No permission for this number - MSISDN not defined on the list of allowed numbers.

53 - Too many requests - the application has made too many calls and has exceeded the rate of limit for this service.

HTTP 404:

Codes:

60 - Resource not found - the requested resource does not exist.

HTTP 405:

Codes:

61 - Method not allowed - the URI does not support the requested method.



## Examples

### *Example 1: IMEI Request*

<https://apim2m.orange.pl/SIMInfo/v1/IMEI?msisdn=48510123456&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

### *Example 2: IMEI Response – Terminal available*

#### **Response Header:**

Status Code: 200 OK

#### **Response Body:**

```
{"result":"OK","msisdn":48510123456,"imei":353748066003838,"handset":"Samsung SM-G900F|Samsung Korea|GSM 1800 GSM 1900 GSM 900 GSM850 (GSM800) LTE FDD BAND 1 LTE FDD BAND 2 LTE FDD BAND 20 LTE FDD BAND 3 LTE FDD BAND 5 LTE FDD BAND 7 LTE FDD BAND 8 WCDMA FDD Band I WCDMA FDD Band II WCDMA FDD Band V WCDMA FDD Band VIII"}
```

### *Example 3: IMEI – Terminal information not exist*

#### **Response Header:**

Status Code: 200 OK

#### **Response Body:**

```
{"msisdn":"48501234567","result":"NOT FOUND"}
```

### *Example 4: IMEI – Wrong apikey*

#### **Response Header:**

Status Code: 401 Unauthorized

#### **Response Body:**

```
{"code":41,"message":"Invalid credentials","description":"The requested service needs credentials, but the ones provided were invalid."}
```

*Example 5: IMEI – Lack of apikey***Response Header:**

Status Code: 401 Unauthorized

**Response Body:**

```
{"code":40,"message":"Missing
credentials","description":"The requested service needs
credentials, but none were provided."}
```

*Example 6: IMEI – Limit is reached***Response Header:**

Status Code: 403 Forbidden

**Response Body:**

```
{"code":53,"message":"Too many
requests","description":"The application has made too
many calls and has exceeded the rate limit for this
service."}
```

*Example 7: IMEI – Request for documentation in json format*

<https://apim2m.orange.pl/SIMInfo/v1/IMEI/doc.json>

*Example 8: IMEI – Request for documentation in pdf format*

<https://apim2m.orange.pl/SIMInfo/v1/IMEI/doc.pdf>

*Example 9: IMEI – Request to check the limit*

<https://apim2m.orange.pl/SIMInfo/v1/IMEI/limit?apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

*Example 10: IMEI – Check the limit -Response*

```
{"used":"45","available":"55","date":"Tue Jun 30 2015"}
```