



Domain: SIMinfo

Product: DetailedSIMProfile

Version: v1

Access: Pre-Commercial/Commercial



api@orange.com

API enables obtaining detailed information about the SIM card for Orange mobile network.

API details

Authorization	APIKey (credentials) oAuth 2.0
oAuth 2.0 documentation	https://{host}/oauth/v2/doc.json https://{host}/oauth/v2/doc.pdf
HTTP Method	GET
URI request for DetailedSIMProfile	https://{host}/SIMinfo/v1/DetailedSIMProfile?imsi=...&msisdn=...&apnip=...&msisdn=...&imei=...&iccid=...&apikey=... where: For commercial access host is apib2b.orange.pl For pre-commercial access host is apib2b-test.orange.pl
URI request for documentation	swagger 2.0 format: https://{host}/SIMinfo/v1/DetailedSIMProfile/doc.json pdf format: https://{host}/SIMinfo/v1/DetailedSIMProfile/doc.pdf
URI request to check the limit	APIKey authorization: https://{host}/SIMinfo/v1/DetailedSIMProfile/limit?apikey=...
Remarks	The API is fully functional only for terminals registered in Polish Orange



	network.
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API Request Parameters

The request parameters for DetailedSIMProfile operation are following:

Parameter	Description	Type
msisdn	Polish orange number ^{*1}	String
apnip	APN name and static IP address separated by a semicolon ^{*1}	String
imsi	IMSI number ^{*1}	String
imei	Terminal id number. It will work correctly if dedicated application is available on the SIM card. M2M card cards may not have it installed by default ^{*1}	String
iccid	Sim card id number ^{*1}	String
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

¹ one of these parameters is required: msisdn, imsi, imei, iccid, apnip.



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 their data type:

Parameter	Description	Type
subscribermsisdn	Polish orange number	String
subscriberbrand	Brand type Prepaid or Postpaid	String
subscribergprs	Data transfer option	String
subscriberactive	HLR activity (optional)	String
subscriberhandset	Handset details	String
subscriberimei	IMEI number	String
subscribersim	ICCID number	String
subscriberimsi	IMSI number	String
sm2m	M2M indicator (optional)	String
sapnip	APN and IP address ^{*2} (optional)	String
subscriberapn	Accessible APN list	Array
modifytimestamp	Modification time	String
status	Error information details (optional)	String

² Information for dedicated APN only



Response Body for checking limit of DetailedSIMProfile API

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

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 – One of parameters: msidn, imsi, imei, iccid, apn is required

31 - Wrong parameter format. Parameter **msisdn** have to consists of 11 digits, parameter **iccid**: 19 digits, parameter **imei**: 14-15 digits, parameter **imsi**: 15 digits, parameter **apnip**: Apn and IP address separated by ';'. The query parameter must be single.

32 - Wrong parameter format **msisdn** - Parameter should be Orange polish number, start with CountryCode 48.

36 - No permission for this number. MSISDN associated with the query parameters is not allowed.³

HTTP 401:

Codes:

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

40 - Missing of credentials.

HTTP 403:

Codes:

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

53 - Too many requests - the application has made too many calls and 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.

³ The MSISDN number is determined on the basis of delivered APN and IP.



Examples

Example 1: DetailedSIMProfile Request for IP– Authorization APIKey

<https://apitest.orange.pl/SIMinfo/v1/DetailedSIMProfile?apnip=APN.pl;10.10.12.11&apikey=2EHVsGQOA0DcZnu...>

Example 2: DetailedSIMProfile Request for MSISDN - Authorization APIKey

<https://apitest.orange.pl/SIMinfo/v1/DetailedSIMProfile?msisdn=48508123456&apikey=2EHVsGQOA0DcZnu...>

Example 3: DetailedSIMProfile Request for msisdn– Authorization APIKey

<https://apitest.orange.pl/SIMinfo/v1/DetailedSIMProfile?msisdn=48501000000&apikey=2EHVsGQOA0DcZnu...>

Example 4: DetailedSIMProfile Response

```
{
  "subscribermsisdn": "48508123456",
  "subscriberbrand": "POSTPAID",
  "subscribergrprs": "true",
  "subscriberactive": "",
  "subscriberhandset": "Galaxy A9 2019|Samsung Korea",
  "subscriberimei": "353330102...",
  "subscribersim": "894803161879.....",
  "subscriberimsi": "26003877950...",
  "sm2m": "",
  "sapnip": "",
  "subscriberapn": [
    {"subscriberapn": "10:ims:15:both"},
    {"subscriberapn": "3:mms:1:IPv4"},
    {"subscriberapn": "2:wap.idea.pl:1:IPv4"},
    {"subscriberapn": "9:wap:1:IPv4"},
    {"subscriberapn": "1:www.idea.pl:1:IPv4"},
    {"subscriberapn": "8:internet:1:IPv4"},
    {"subscriberapn": "18:internetipv6:1:IPv6"},
    {"subscriberapn": "19:internetipv6:1:IPv4"}
  ],
  "modifytimestamp": "20190403133313Z",
  "status": ""
}
```



Example 5: DetailedSIMProfile – 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 6: DetailedSIMProfile – 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 7: DetailedSIMProfile – 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 8: DetailedSIMProfile – Request for documentation in json format

<https://apib2b.orange.pl/SIMinfo/v1/DetailedSIMProfile/doc.json>



Example 9: DetailedSIMProfile – Request for documentation in pdf format

<https://apib2b.orange.pl/SIMinfo/v1/DetailedSIMProfile/doc.pdf>

Example 10: DetailedSIMProfile – Request to check the limit - Authorization APIKey

<https://apib2b.orange.pl/SIMinfo/v1/DetailedSIMProfile/limit?apikey=tTGPMspDeGpdGQ8PLC1jz...>

Example 11: DetailedSIMProfile – Check the limit -Response

```
{"used":"6","available":"59994","date":"Mon May 13 2019"}
```