



MobileAPI.dev

API Documentation

Complete reference guide for the MobileAPI.dev REST API

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1. Introduction

MobileAPI.dev provides a comprehensive REST API for accessing detailed mobile device information, including specifications, images, and metadata for thousands of devices.

Key Features:

- Search devices by name with fuzzy matching
- Filter by manufacturer, year, or device type
- Access detailed specifications for each device
- Retrieve high-quality device images
- Natural language AI-powered queries
- RESTful API design with JSON responses

2. Getting Started

What You Can Do

The MobileAPI.dev REST API enables you to:

- Search for devices by name with fuzzy matching and autocomplete support
- Get detailed device specifications including display, camera, processor, and more
- Access high-quality device images in multiple formats (URL and base64)
- Monitor your API usage and monthly request limits in your dashboard

Base URL

All API requests should be made to:

```
https://api.mobileapi.dev/
```

API Key

Most endpoints require an API key for authentication. Sign up at mobileapi.dev to get your API key.

Quick Start Example

```
GET /devices/search/?name=iPhone%2015%20Pro&key;=YOUR_API_KEY
```

3. Authentication

The API supports two authentication methods:

Method 1: Query Parameter

```
GET /devices/search/?name=iPhone&key;=YOUR_API_KEY
```

Method 2: Authorization Header

```
Authorization: Token YOUR_API_KEY
```

4. Get Device by ID

Endpoint

GET /devices/{id}/

Description

Retrieve detailed device information by providing its unique ID. Returns complete device specifications, images, and metadata. This is the most efficient way to get device data when you already know the device ID (e.g., from search results).

Parameters

Parameter	Type	Required	Description
id	integer	Yes	Device ID (path parameter)
key	string	Yes	Your API key (query parameter)

Example Request

GET /devices/12345/?key=YOUR_API_KEY

Example Response

```
{
  "id": 12345,
  "name": "iPhone 17 Pro",
  "brand": {
    "id": 6,
    "name": "Apple",
    "logo_b64": "iVBORw0KGgo..."
  },
  "main_image_b64": "iVBORw0KGgo...",
  "screen_resolution": "2556 x 1179",
  "camera": "48 MP + 12 MP + 12 MP",
  "hardware": "A17 Pro",
  "battery_capacity": "3274 mAh",
  "storage": "128GB, 256GB, 512GB, 1TB",
  "weight": "187 g",
  "release_date": "2023-09-22",
  "colors": "Natural Titanium, Blue Titanium, White Titanium, Black Titanium"
}
```

5. Device Search

Endpoint

GET `"/devices/search/`

Description

Search for devices by name (e.g., 'iPhone 17 Pro') or model number (e.g., 'A3520') with fuzzy matching. Use the 'name' parameter to search by device name, or the 'model_number' parameter to search by model number. At least one parameter is required, but both cannot be used together. Optionally filter by manufacturer for more accurate results. Returns match certainty percentage (100% for exact matches, up to 99% for fuzzy matches) and a match_type field indicating whether the match was by 'name', 'exact_model', or 'partial_model'. Exact model number matches are prioritized over name matches.

Parameters

Parameter Name	Required	Description
key	Yes	Your API key
name	Yes*	Device name to search for (e.g., 'iPhone 15 Pro'). Mutually exclusive with 'model_number'.
model_number	Yes*	Model number to search for (e.g., 'A3520'). Mutually exclusive with 'name'.
manufacturer	No	Filter by manufacturer (case-insensitive)
page	No	Page number (default: 1). Each page contains 10 devices by default (max 50 via limit).
exact	No	Set to true for exact matching (default: false). When true, only returns devices with 100% match certainty (exact name or exact model number).

* **Note:** At least one of 'name' or 'model_number' is required, but both cannot be provided at the same time. Use 'name' to search by device name, or 'model_number' to search by model number.

Example Requests

```
GET /devices/search/?name=iPhone&manufacturer;=Apple&key;=YOUR_KEY
```

```
GET /devices/search/?model_number=A3520&key;=YOUR_KEY
```

Example Response

```

{
  "total": 2,
  "page": 1,
  "page_size": 10,
  "total_pages": 1,
  "has_next": false,
  "has_previous": false,
  "devices": [
    {
      "id": 43,
      "match_certainty": "100.00%",
      "match_type": "exact_model",
      "name": "iPhone 17 Pro",
      "manufacturer_name": "Apple",
      "device_type": "phone",
      "description": "Apple iPhone 17 Pro smartphone. Announced Sep 2025. Features 6.3\"
display, \"Apple A19 Pro chipset, 3998 mAh battery, 1024 GB storage, 12 GB RAM, Ceramic Shield 2.\"",
      "colors": "Silver, Cosmic Orange, Deep Blue",
      "storage": "256GB, 512GB, 1TB",
      "screen_resolution": "6.3\\", 1206x2622 pixels",
      "weight": "206g",
      "thickness": "8.8mm",
      "release_date": "Released 2025, September 19",
      "camera": "48MP",
      "battery_capacity": "3998 mAh",
      "hardware": "12GB RAM, Apple A19 Pro",
      "model_numbers": "iPhone18,3, A3520, A3258, A3519, A3521"
    },
    {
      "id": 44,
      "match_certainty": "99.50%",
      "match_type": "name",
      "name": "iPhone 17",
      "manufacturer_name": "Apple",
      "device_type": "phone",
      "description": "Apple iPhone 17 smartphone. Announced Sep 2025. Features 6.1\"
display, \"Apple A19 chipset, 3500 mAh battery, 512 GB storage, 8 GB RAM, Ceramic Shield 2.\"",
      "colors": "Black, White, Blue, Pink, Green",
      "storage": "128GB, 256GB, 512GB",
      "screen_resolution": "6.1\\", 1179x2556 pixels",
      "weight": "175g",
      "thickness": "7.8mm",
      "release_date": "Released 2025, September 19",
      "camera": "48MP",
      "battery_capacity": "3500 mAh",
      "hardware": "8GB RAM, Apple A19",
      "model_numbers": "iPhone18,1, A3256, A3523, A3522, A3524"
    }
  ]
}

```

6. Device Autocomplete

Endpoint

GET /devices/autocomplete/

Description

Get device name suggestions as you type. Perfect for building search interfaces with autocomplete functionality.

Parameters

Parameter	Type	Required	Description
key	string	Yes	Your API key (can use demo key for testing)
q	string	Yes	Query string (minimum 2 characters)
limit	integer	No	Max results (default: 10, max: 50)

Example Request

```
GET /devices/autocomplete/?q=iPhone&limit;=5
```

Example Response

```
[
  {
    "id": 12345,
    "name": "iPhone 17 Pro",
    "brand": "Apple",
    "full_name": "Apple iPhone 17 Pro"
  },
  {
    "id": 12346,
    "name": "iPhone 15",
    "brand": "Apple",
    "full_name": "Apple iPhone 15"
  },
  {
    "id": 12347,
    "name": "iPhone 14 Pro",
    "brand": "Apple",
    "full_name": "Apple iPhone 14 Pro"
  }
]
```

7. Devices by Manufacturer

Endpoint

GET /devices/""by-manufacturer/

Description

Get all devices from a specific manufacturer. Results are paginated with 10 devices per page (customizable via limit up to 50). The response includes metadata showing total count, current page, and pagination information.

Parameters

Parameter	Type	Required	Description
key	string	Yes	Your API key
manufacturer	string	Yes	Manufacturer name (e.g., Apple, Samsung)
page	integer	No	Page number (default: 1). Each page contains 10 devices by default (max 50 via limit).

Example Request

```
GET /devices/by-manufacturer/?manufacturer=Apple&page;=1&key;=YOUR_KEY
```

Example Response

```
{
  "manufacturer": "Apple",
  "total": 125,
  "page": 1,
  "page_size": 10,
  "total_pages": 3,
  "has_next": true,
  "has_previous": false,
  "devices": [
    {
      "id": 12345,
      "name": "iPhone 17 Pro",
      "manufacturer": {
        "id": 6,
        "name": "Apple"
      },
      "screen_resolution": "6.1 inches, 2556 x 1179",
      "camera": "48 MP",
      "battery_capacity": 3274
    },
    {
      "id": 12346,
```

```
    "name": "iPhone 15",
    "manufacturer": {
      "id": 6,
      "name": "Apple"
    },
    "camera": "48 MP",
    "battery_capacity": 3349
  } // ... 48 more devices on this page
]
```

```
}
```

8. Devices by Year

Endpoint

GET /devices/by-year/

Description

Get all devices released in a specific year. Results are paginated with 10 devices per page (customizable via limit up to 50). The response includes metadata showing total count, current page, and pagination information.

Parameters

Parameter	Type	Required	Description
key	string	Yes	Your API key
year	integer	Yes	Release year (e.g., 2023, 2024)
page	integer	No	Page number (default: 1). Each page contains 10 devices by default (max 50 via limit).

Example Request

GET /devices/by-year/?year=2023&page;=1&key;=YOUR_KEY

Example Response

```
{
  "total": 401,
  "page": 1,
  "page_size": 10,
  "total_pages": 9,
  "has_next": true,
  "has_previous": false,
  "devices": [
    {
      "id": 12345,
      "name": "iPhone 17 Pro",
      "manufacturer": {
        "id": 6,
        "name": "Apple"
      },
      "release_date": "Released 2023, September 22",
      "camera": "48 MP",
      "battery_capacity": 3274
    },
    {
      "id": 23456,
      "name": "Galaxy S23 Ultra",
```

```
    "manufacturer": {
      "id": 2,
      "name": "Samsung"
    },
    "release_date": "Released 2023, February 17",
    "camera": "200 MP",
    "battery_capacity": 5000
  }
  // ... 48 more devices on this page
]
```

```
}
```

9. Devices by Type

Endpoint

GET /devices/by-type/

Description

Get all devices of a specific type (phone, tablet, laptop, wearable, or other). Results are paginated with 10 devices per page (customizable via limit up to 50). The response includes metadata showing total count, current page, and pagination information.

Parameters

Parameter	Type	Required	Description
key	string	Yes	Your API key
type	string	Yes	Device type (phone, tablet, laptop, wearable, other)
page	integer	No	Page number (default: 1). Each page contains 10 devices by default (max 50 via limit).

Example Request

```
GET /devices/by-type/?type=tablet&page;=1&key;=YOUR_KEY
```

Example Response

```
{
  "device_type": "tablet",
  "total": 128,
  "page": 1,
  "page_size": 10,
  "total_pages": 3,
  "has_next": true,
  "has_previous": false,
  "devices": [
    {
      "id": 34567,
      "name": "iPad Pro 12.9 (2023)",
      "manufacturer": {
        "id": 6,
        "name": "Apple"
      },
      "device_type": "tablet",
      "screen_resolution": "12.9 inches, 2048 x 2732",
      "camera": "12 MP"
    },
    {
      "id": 34568,
```

```
    "name": "Galaxy Tab S9 Ultra",
    "manufacturer": {
      "id": 2,
      "name": "Samsung"
    },
    "device_type": "tablet",
    "screen_resolution": "14.6 inches, 1848 x 2960"
  }
  // ... 48 more devices on this page
}
```

10. Device Images

Endpoint

GET /devices/{id}/images/

Description

Get all images for a specific device. Returns high-quality device photos in base64 format.

Parameters

Parameter	Type	Required	Description
id	integer	Yes	Device ID from search results
key	string	Yes	Your API key

Example Request

```
GET /devices/12345/images/?limit=3&key;=YOUR_KEY
```

Example Response

```
[
  {
    "id": "main_12345",
    "image_url": "main_image",
    "image_b64": "iVBORw0KGgoAAAANS...",
    "caption": "Apple iPhone 17 Pro - Main Image",
    "is_official": true,
    "order": 0
  },
  {
    "id": 45678,
    "image_url": "https://example.com/image1.jpg",
    "image_b64": "iVBORw0KGgoAAAANS...",
    "caption": "Back view",
    "is_official": true,
    "order": 1
  }
]
```

11. Device Specification Endpoints

Description

Access detailed specification categories for a device. Each endpoint returns specific technical details for different aspects of the device (network, battery, display, camera, etc.).

Available Specification Endpoints

Endpoint	Description
/devices/{id}/network/	Network specifications (bands, technology)
/devices/{id}/battery/	Battery specifications and charging
/devices/{id}/display/	Display specifications (size, resolution, type)
/devices/{id}/platform/	Platform specifications (OS, chipset)
/devices/{id}/memory/	Memory and storage specifications
/devices/{id}/main-camera/	Main/rear camera specifications
/devices/{id}/selfie-camera/	Selfie/front camera specifications
/devices/{id}/body/	Body specifications (dimensions, weight)
/devices/{id}/sound/	Sound specifications (speakers, audio)
/devices/{id}/comms/	Communications (WiFi, Bluetooth, GPS)
/devices/{id}/features/	Additional features and sensors
/devices/{id}/misc/	Miscellaneous specifications

Example Request

```
GET /devices/12345/battery/?key=YOUR_API_KEY
```

Example Response

```
{
  "type": "Li-Ion 3274 mAh, non-removable",
  "charging": "USB Power Delivery, 50% in 30 min",
  "wireless_charging": "MagSafe wireless charging 15W",
  "talk_time": "Up to 23 hours",
  "music_play": "Up to 75 hours",
  "standby_time": "Up to 400 hours"
}
```

12. Error Codes

Code	Description
200	Success - Request completed successfully
204	No Content - No devices found
400	Bad Request - Invalid parameters
401	Unauthorized - Invalid API key
429	Too Many Requests - Rate limit exceeded
500	Internal Server Error - Server error

13. Rate Limits

Understanding rate limits and request quotas for optimal API usage.

Plan Comparison

Free Plan

Requests/Month	50 requests/month
Rate Limit	5 requests/minute
Features	• Full database access • Monthly updates • Community support support • Complete API documentation

Pro Plan

Requests/Month	10,000 requests (~333 per day)
Rate Limit	10 requests/second
Features	• Everything in Free • Weekly database updates • Priority email support support • Commercial usage rights • Advanced analytics dashboard

Enterprise Plan

Requests/Month	Unlimited requests
Rate Limit	Custom rate limits
Features	• Everything in Pro • Daily database updates • Dedicated support team support • Account manager • Custom integrations

Additional Information

- All plans include access to the full device database
- Enterprise plans can be customized for high-traffic platforms

- Rate limit exceeded responses return HTTP 429 status code
- For pricing information, visit <https://mobileapi.dev>

For the most up-to-date documentation, visit:

[**https://mobileapi.dev/docs**](https://mobileapi.dev/docs)

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