



User Guide

EDGE Insights™ API and SDK Documentation

EDGE Insights™ provides API endpoints to allow for interaction with **Taoglas EDGE** hardware devices and others. This allows for the opportunity of custom solutions that provide device configuration, device management and sensor data.

The **EDGE Insights™** API is a RESTful API, that uses standard HTTP authentication, response codes and JSON response bodies.

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Taoglas EDGE Insights™ API - connect.taoglas.com

API and SDK Documentation

Version: 1.2.1

OpenAPI Specification of Taoglas EDGE Insights™ API

Generic

retrieveConnectionDetails

Retrieve the latest connection details report for the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/connection_details/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Responses

Status: 200 - Success

Schema

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceAlarms

Retrieve the alarms reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/alarms/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Query parameters

Name	Description
limit	Integer <i>The max number of items to return.</i>
startTime	Integer <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	Integer <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

Responses

Status: 200 - Success

Schema

--

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceConfig

Retrieve the device configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/deviceConfig/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Responses

Status: 200 - Success

Schema

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceLogs

Retrieve the logs reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/logs/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions for this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Query parameters

Name	Description
limit	Integer <i>The max number of items to return.</i>
startTime	Integer <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	Integer <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

Responses

Status: 200 - Success

Schema

--

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceReport

Retrieve the latest report uploaded by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/report/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Responses

Status: 200 - Success

Schema

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceStateReport

Retrieve the list of operating modes reported from EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

/v2/devices/{deviceId}/deviceStateReport/

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions for this EDGE device</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Query parameters

Name	Description
limit	Integer <i>The max number of items to return.</i>
startTime	Integer <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	Integer <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

Responses

Status: 200 - Success

Schema

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceStatistics

Retrieve the statistics reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/statistics/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions for this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Query parameters

Name	Description
limit	Integer <i>The max number of items to return.</i>
startTime	Integer <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	Integer <i>The unixtime, in milliseconds, for the end of range to be considered.</i>

Responses

Status: 200 - Success

Schema

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveDeviceType

Retrieve the alarms reported by the EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/deviceType/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions for this EDGE device</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Responses

Status: 200 - Success

Schema

--

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveSensorConfig

Retrieve the sensor configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/sensorConfig/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Responses

Status: 200 - Success

Schema

--

Status: 400 - Bad Request

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveSensorsData

Retrieve the sensor data points for an EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

GET

```
/v2/devices/{deviceId}/sensor_data/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Query parameters

Name	Description
limit	Integer <i>The max number of items to return.</i>
startTime	Integer <i>The unixtime, in milliseconds, for the start of range to be considered.</i>
endTime	Integer <i>The unixtime, in milliseconds, for the end of range to be considered.</i>
sensorKeys	array[String] <i>List of sensor keys</i>

Responses

Status: 200 - Success

Schema

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

updateDeviceConfig

Update the device configuration information for a given EDGE device, request Header must include one of ORGANISATION-KEY, DEVICE-KEY or USER-KEY.

PUT

```
/v2/devices/{deviceId}/deviceConfig/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Body parameters

Name	Description
body *	

Responses

Status: 200 - Success

Status: 400 - Bad Request

Status: 403 - Forbidden

Status: 404 - Not Found

updateSensorConfig

Update the sensor configuration information for a given EDGE device

PUT

```
/v2/devices/{deviceId}/sensorConfig/
```

Parameters

Path parameters

Name	Description
deviceId*	String <i>The unique device identifier.</i> Required

Header parameters

Name	Description
DEVICE-KEY	String <i>The corresponding device key for the device identifier.</i>
USER-KEY	String <i>A user key, for a user that has permissions to access this EDGE device.</i>
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this EDGE device is associated with.</i>

Body parameters

Name	Description
body *	

Responses

Status: 200 - Success

Status: 400 - Bad Request

Status: 403 - Forbidden

Status: 404 - Not Found

Organisation

addDeviceToGroup

Add specified device to specified group

PUT

```
/v2/organisation/{organisationId}/{groupId}/devices/{deviceId}/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required
deviceId*	String <i>The unique device id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Status: 403 - Forbidden

Status: 404 - Not Found

deleteDeviceFromGroup

Delete specified device from specified group

DELETE

```
/v2/organisation/{organisationId}/{groupId}/deleteDevice/{deviceId}/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required
deviceId*	String <i>The unique device id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Status: 403 - Forbidden

Status: 404 - Not Found

delete Group

Delete specified group

DELETE

```
/v2/organisation/{organisationId}/{groupId}/deleteGroup/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Status: 403 - Forbidden

Status: 404 - Not Found

groupConfig

Config update for all devices in specified group

PUT

```
/v2/organisation/{organisationId}/{groupId}/conf/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Body parameters

Name	Description
body *	

Responses

Status: 200 - Success

Status: 400 - Bad Request

Status: 403 - Forbidden

Status: 404 - Not Found

organisationID

Retrieve organisation ID based on organisation key

GET

/v2/key/

Parameters

Header parameters

Name	Description
ORGANISATION-KEY	String <i>An organisation key, for the organisation that this Edge device is associated with</i>

Responses

Status: 200 - Success

Schema

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveOrganisationGroupDevices

Retrieve all devices in a group

GET

```
/v2/organisation/{organisationId}/{groupId}/devices/list/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Query parameters

Name	Description
limit	Integer <i>The numbers of items to return</i>
deviceType	array[String] <i>List of device Types</i>
sensorType	array[String] <i>List of sensor types</i>

Responses

Status: 200 - Success

Schema

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveOrganisationGroupsSensorType

Retrieve all types of sensors associated with a group in an organisation

GET

```
/v2/organisation/{organisationId}/groupId/sensorTypes/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Schema

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveOrganisationGroupspDeviceType

Retrieve all types of devices associated with a group in an organisation

GET

```
/v2/organisation/{organisationId}/{groupId}/deviceTypes/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Schema

--

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveOrganisationsDevices

Retrieve all devices associated with an organisation

GET

```
/v2/organisation/{organisationId}/devices/list/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>

Query parameters

Name	Description
limit	Integer <i>The numbers of items to return</i>
deviceType	array[String] <i>List of device Types</i>
sensorKey	array[String] <i>List of sensor keys</i>

Responses

Status: 200 - Success

Schema

--

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

retrieveOrganisationsGroups

Retrieve all groups associated with an organisation

GET

```
/v2/organisation/{organisationId}/groups/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>

Responses

Status: 200 - Success

Schema

Status: 204 - No Content

Status: 403 - Forbidden

Status: 404 - Not Found

updateGroupFirmware

Update firmware for devices in specified group

PUT

```
/v2/organisation/{organisationId}/{groupId}/firmwareUpdate/{firmwareId}/
```

Parameters

Path parameters

Name	Description
organisationId*	String <i>The unique organisation id</i> Required
groupId*	String <i>The unique group id</i> Required
firmwareId*	String <i>The unique firmware id</i> Required

Header parameters

Name	Description
ORGANISATION-KEY	String <i>The corresponding organisation key for the organisation</i>
USER-KEY	String <i>A user key, for a user that has permissions for this organisation</i>

Responses

Status: 200 - Success

Status: 403 - Forbidden

Status: 404 - Not Found

Suggestions, contact, support and error reporting;

Information URL: <https://taoglas.com/iot-support>

Contact Info: iotsupport@taoglas.com

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