IntelliSense Water Monitoring API Document

Get Last Data

GET `{{url}}telemetry/last/:serialNumber`

Authentication

API KEY - add to header with key "api-key"

Param

Using serialNumber device

Query

List of Query

- fields *required (Note, if want to get fields data more than one that can use comma as separator ex. TDS,loraRssi,messageId)
- building *optional
- floor *optional
- division *optional
- tray *optional

Response Message

```
-- If data not empty --
{
  "status": "success",
  "data": {
    "telemetry": {
      "TDS": {
        "_time": "2024-01-12T13:01:34Z",
        "_value": 0,
        "Building": "Atas",
        "Floor": "1",
        "_field": "TDS",
        "device": "AI3494545BA558",
        "gateway": "MIA744DBD758A68"
      },
      "loraRssi": {
        "_time": "2024-01-12T13:01:34Z",
        "_value": 222,
        "Building": "Atas",
        "Floor": "1",
        "_field": "loraRssi",
        "device": "AI3494545BA558",
        "gateway": "MIA744DBD758A68"
```

```json
        },
        "messageId": {
          "_time": "2024-01-12T13:01:34Z",
          "_value": 38469,
          "Building": "Atas",
          "Floor": "1",
          "_field": "messageId",
          "device": "AI3494545BA558",
          "gateway": "MIA744DBD758A68"
        }
      }
    }
  }

-- If data empty --
  {
    "status": "success",
    "data": {
      "telemetry":{}
    }
  }
```

Get History Data

GET {{url}}telemetry/last/:serialNumber

Authentication

API KEY - add to header with key "api-key"

Param

Using serialNumber device

Query

List of Query

- fields *required (Note, if want to get fields data more than one that can use comma as separator ex. TDS,loraRssi,messageId)
- startTime *required (Note, using ISO 8601 format with UTC timezone. ex. 2022-01-12T13:01:34Z)
- endTime *required (Note, using ISO 8601 format with UTC timezone. ex. 2024-01-12T13:01:34Z)
- building *optional
- floor *optional
- division *optional
- tray *optional
- aggregate *optional (Duration of windows ex. 1m,2m,10m,1h,2h)

Response Message

```
-- If data not empty --
{
  "status": "success",
  "data": {
    "telemetries": {
        "TDS": [
            {
                "_time": "2024-01-12T12:37:40Z",
                "_value": 0,
                "Building": "Atas",
                "Floor": "1",
                "_field": "TDS",
                "device": "AI3494545BA558",
                "gateway": "MIA744DBD758A68"
            },
            {
                "_time": "2024-01-12T12:37:45Z",
                "_value": 0,
                "Building": "Atas",
                "Floor": "1",
                "_field": "TDS",
                "device": "AI3494545BA558",
```

```
                        "gateway": "MIA744DBD758A68"
                }
            ],
            "loraRssi": [
                {
                    "_time": "2024-01-12T12:37:40Z",
                    "_value": 222,
                    "Building": "Atas",
                    "Floor": "1",
                    "_field": "loraRssi",
                    "device": "AI3494545BA558",
                    "gateway": "MIA744DBD758A68"
                },
                {
                    "_time": "2024-01-12T12:37:45Z",
                    "_value": 222,
                    "Building": "Atas",
                    "Floor": "1",
                    "_field": "loraRssi",
                    "device": "AI3494545BA558",
                    "gateway": "MIA744DBD758A68"
                }
            ],
            "messageId": [
                {
                    "_time": "2024-01-12T12:37:40Z",
                    "_value": 38050,
                    "Building": "Atas",
                    "Floor": "1",
                    "_field": "messageId",
                    "device": "AI3494545BA558",
                    "gateway": "MIA744DBD758A68"
                },
                {
                    "_time": "2024-01-12T12:37:45Z",
                    "_value": 38051,
                    "Building": "Atas",
                    "Floor": "1",
                    "_field": "messageId",
                    "device": "AI3494545BA558",
                    "gateway": "MIA744DBD758A68"
        }]
    }
  }
}

  -- If data empty --
{
  "status": "success",
  "data": {
    "telemetry":{}
  }
}
```

Get Flow Usage Data

GET {{url}}telemetry/flow-usage/:serialNumber

Authentication

API KEY - add to header with key "api-key"

Param

Using serialNumber device

Query

List of Query

- startTime *required (Note, using ISO 8601 format with UTC timezone. ex. 2022-01-12T13:01:34Z)
- endTime *required (Note, using ISO 8601 format with UTC timezone. ex. 2024-01-12T13:01:34Z)

Response Message

```
-- If data not empty --
{
  "status": "success",
  "data": {
    "flowUsage": {
        "Building": "DEPAN",
        "Division": "FC",
        "Floor": "8",
        "_field": "flow",
        "device": "AI349454596D88",
        "gateway": "MIA744DBD758954",
        "_value": 1
    }
  }
}

  -- If data empty --
{
  "status": "success",
  "data": {
    "flowUsage": {}
  }
}
```