

# 16.1 At command

## Overview

At command protocol is used for communications with AT Commands.

## Configuration

### At command parameters for *Device* tab

| Parameter          | Type    | Description   | Required | Default value<br>(when not specified) | Range   |       |
|--------------------|---------|---|----------|---------------------------------------|---|-------|
|                    |         |   |          |                                       | Min   | Max   |
| name               | string  | User-friendly device name                               | Yes      |                                       |   |       |
| description        | string  | Description of a device                                 | No       |                                       |   |       |
| device_alias       | string  | Alphanumeric string to identify a device                | Yes      |                                       |   |       |
| enable             | boolean | Enabling/disabling of a device                          | No       | 1                                     | 0   | 1     |
| protocol           | string  | Protocol to be used.                                    | Yes      |                                       | at command  |       |
| device             | string  | Communication port                                      | Yes      |                                       | PORT1   | PORT2 |
| baudrate           | integer | Communication speed (bauds/s)                           | No       | 9600                                  | 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 |       |
| databits           | integer | Data bit count for communication                        | No       | 8                                     | 6   | 9     |
| stopbits           | integer | Stop bit count for communication                        | No       | 1                                     | 1   | 2     |
| parity             | string  | Communication parity option                             | No       | none                                  | none, even, odd   |       |
| flowcontrol        | string  | Communication device flow control option.               | No       | none                                  | none  |       |
| timeout_ms         | integer | Timeout of waiting for incoming request in milliseconds | Yes      |                                       | 0   | 60000 |
| serial_close_delay | integer | Delay before closing serial port                        | No       | 400                                   |   |       |

### At command parameters for *Signals* tab

| Parameter | Type | Description | Required | Default value<br>(when not specified) | Range |     |
|-----------|------|-------------|----------|---------------------------------------|-------|-----|
|           |      |             |          |                                       | Min   | Max |

|              |         |  |     |   |   |   |
|--------------|---------|--|-----|---|---|---|
| signal_name  | string  | User-friendly signal name                                | Yes |   |   |   |
| device_alias | string  | Device alias from a Devices tab                          | Yes |   |   |   |
| signal_alias | string  | Unique alphanumeric name of the signal to be used        | Yes |   |   |   |
| enable       | boolean | Enabling/disabling of an individual signal               | No  | 1 | 0 | 1 |
| log          | integer | Enable logging in event log                              | No  | 0 |   |   |
| number_type  | string  | Type of a number (FLOAT, DOUBLE, DIGITAL, etc.)          | Yes |   |   |   |
| job_todo     | string  | Tag job as single or multiple comma separated OBIS codes | Yes |   |   |   |
| tag_job_todo | string  | Tag sub job  | Yes |   |   |   |

🕒Revision #2

★Created 20 December 2022 11:56:05 by Gabriele

✎Updated 14 July 2023 06:57:13 by Gabriele