

16.8 SMA NET

Overview

SMA Net can transfer SMA Data, TCP/IP and many more telegrams due to its multiprotocol capability. Thus, it is the preferred telegram frame in case of new developments.

Configuration

SMA NET parameters for *Device* tab

| Parameter | Type | Description | Required | Default value (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 | | sma net | |
| 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 | |
| scan_rate_ms | integer | Delay before closing serial port in milliseconds | No | 10000 | | |
| poll_delay_ms | integer | | No | 200 | | |
| timeout_ms | integer | Timeout of waiting for incoming request in milliseconds | No | 2500 | | |
| serial_number | string | Inverter serial number | Yes | | | |
| device | | Communication port | Yes | | PORT1 | PORT2 |
| serial_close_delay | integer | Delay before closing serial port | No | 400 | | |

SMA NET parameters for *Signals* tab

| Parameter | Type | Description | Required | Default value (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 | | | |
| pulse_short_time_ms | integer | Time interval for short output pulse to stay active | No | 0 | | |
| pulse_long_time_ms | integer | Time interval for long output pulse to stay active | No | 0 | | |

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