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Release Notes

SMART-LOGGER v5.07

October 2017

Introduction

This document provides firmware update information for SMART-INTEGRATION-KIT devices, in particular the most popular models: SMART-SENSOR-ETH-POE-TH-BASIC, SMART-SENSOR-ETH-POE-TH-FILTER, SMART-SENSOR-ETH-POE-xT-IP67.

Support

For more information on latest software releases, upgrade procedures, support, contact with your distributor and/or partner or visit www.astozi.com and/or email to support@astozi.com.

Update procedure

Software version 5.07 brings improvements, improvements and new features. You are requested to thoroughly familiarize with the software update procedure.

WARNING !!!

After the software update is done, in most cases, it is necessary to clear the browser cache where the device configuration was performed.

Assignments of devices models to firmware version:

Device model:	Filename:
SMART-SENSOR-ETH-POE-TH-BASIC	SMART-LOGGER-ETH-POE-TH-BASE_FW_ALL.BIN
SMART-SENSOR-ETH-POE-TH-FILTER	SMART-LOGGER-ETH-POE-TH-BASE_FW_ALL.BIN
SMART-SENSOR-ETH-POE-xT-IP67 (gdzie x = 1,2,4)	SMART-LOGGER-ETH-POE-TH-EXPAND_FW_ALL.BIN

Update

To update firmware of the device, please do the following steps:

1. Extract the file with the .BIN extension to a temporary directory.
2. Select the uncompressed file using the "Choose file" option in the firmware section of the Manage -> Maintenance menu.
3. Start the update procedure by pressing the green arrow button.
4. The update lasts for about 5 minutes.
5. After the update procedure is complete, the device will automatically restart.

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SMART-LOGGER

New functionality / improvements

This section shows the major improvements in each software release.

Version 5.07

- aggregation module
    - added support for astozi leakage probes
    - added support for expansion module for thermocouple probes
- notification module
    - entering the alarm mode is indicated by blinking of the LED
    - changed alarm description from FAILED to ALARM
- system management module
    - enhanced TCP / IP stack support
    - increasing the waiting time to retrieve an address from the DHCP server from 5 to 30 seconds
    - if you select "Reset to defaults with network settings" from the panel or press the reset button on your device, the IP address will be obtained from DHCP server and in case of failure the default address is 192.168.0.50

Version 5.06

- no release

Version 5.05

- no new functionality

Version 5.04

- notification module
    - added buttons to test sending email and SMS

Version 5.03

- notification module
    - added option to disable notification via email about restart of sensor

Version 5.02

- no release

Version 5.01

- notification module
    - added support for HWGroup SMS gateway

Version 5.00

- aggregation module
    - dynamic calculation of dew point and absolute humidity

Version 4.67

- no new functionality

Version 4.66

- no new functionality

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Version 4.65
- no release

Version 4.64
- no new functionality

Version 4.63
- system management module
  - added the Failover IP option - if the DHCP server does not work, the device uses the last saved static IP address

Version 4.62
- no new functionality

Version 4.61
- no new functionality

Version 4.60
- aggregation module
  - added support for external devices from the SMART-SENSOR line for aggregation of data "Aggregated history" functionality enables up to 9 external measuring points
- visualization module
  - up to 9 number of measuring points is visualized using Display (formerly Mini Display)
- notification module
  - added the ability to send cyclic measurements both locally and from external devices using "Aggregated history"

Version 4.51
- aggregation module
  - added support for SMART-SENSOR-EXT-PROBE-TH-FILTER sensor

Version 4.50
- system management module
  - configuration export / import
  - there is an alert after reboot the device if the time has not been correctly set
  - logs are daily rotated
- notification module
  - the ability to automatically send measurements from the previous day by email
- visualization module
  - improved layout
    - new menu layout
    - view measurements history
    - export visible graphs to a CSV file
  - support for graphs for dynamically added sensors
  - mini-display mode with sensor selection from external devices
  - device status
    - percentage of usage of internal memory
- aggregation module
  - support for 1Wire temperature sensors

- o possibility to change sensor names
- o possibility to change the frequency of saving historical data

Version 4.05

- adding support for SMSEagle (https://www.smseagle.eu/)

Version 4.04

- add export log file and debug file

Version 4.03

- added functionality "working hours", where during the given time intervals the device does not send notifications of exceeding thresholds alarm,

Version 4.02

- adding time zone support

Version 4.01

- Added mini display functionality for displaying status to up to four devices

Version 4.00

- split firmware into two branches, one branch for standalone devices and one for devices communicating with systemONE solution
- default configuration enable data logger mode
- export historical data in CSV format
- preview historical data via web interface
- added functionality to temporarily disable notification when alarm thresholds are exceeded

Version 3.16

- added option to restore factory settings without changing network configuration

Version 3.15

- added functionality of cyclic reports
- add read-only access functionality

Version 3.14

- no new functionality

Version 3.13

- the uptime of the device is displayed

Version 3.12

- no new functionality

Version 3.11

- no new functionality

Version 3.10

- no new functionality

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Version 3.09

- extension of functionality of detection of thresholds exceeded

Version 3.08

- no new functionality

Version 3.07

- no new functionality

Version 3.06

- information by LED indicator that the assumed thresholds are exceeded

Version 3.05

- adding sending a local address to DCMS Gateway

Version 3.04

- no new functionality

Version 3.03

- no new functionality

Version 3.02

- no new functionality

Version 3.01

- added support for Responsive Web Design (RWD) technology for the web panel

Version 3.00

- support for sharing data via SNMP protocol
- added the support for AUTH PLAIN authorizations when sending email

Version 2.12

- added support for temperatures below zero

Version 2.11

- no new functionality

Bug fixes

This section shows the most important bug fixes in each version of the firmware.

Version 5.07
- no fixes

Version 5.06
- no release

Version 5.05
- fixes in saving configuration
- fixes in monitoring Ethernet line status
- patches in the initialization of probes

Version 5.04
- fixes in functionality of ReadOnly View and Mini-Display

Version 5.03
- no fixes

Version 5.02
- no release

Version 5.01
- adding the correct implementation of notification module when incorrect parameters are entered
- patches to the functionality of "Periodic reports"
- patches in the functionality "Aggregated history"
- minor fixes in the web interface

Version 5.00
- minor fixes in the web interface

Version 4.67
- in special cases the device did not write too long email authorization
- fixes in the web interface for setting alarm thresholds for sensors

Version 4.66
- minor fixes in the web interface

Version 4.65
- no release

Version 4.64
- fixes in NTP support

Version 4.63
- fixes in the function of configuration restore

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Version 4.62
- fixes in the function of settings restore

Version 4.61
- improved support for dynamic sensor detection
- fixes in the web interface
- correct date format compatible with RFC 822

Version 4.60
- changes in menu layout dictated by the addition of Aggregated history functionality
- minor fixes in the web interface
- fixes in counting the free space left on the device
- fixes in support of SMART-SENSOR-EXT-PROBE-TH-FILTER sensors

Version 4.51
- minor fixes in the web interface

Version 4.50
- notification module
  - re-send only for the wrong type of sent message: sms, email and do not check all alert rule again
  - protection against repeated email and text messaging at the same time
- management module
  - added "Are you sure" messages for critical operations
  - disabled logging of messages type "Trying to resolve"
  - the default timezone is set to Europe/Warsaw
- visualization module
  - added the blocking an interface when an operation is performing
  - acceleration of graphs generation
- aggregation module
  - saving the historical data only when NTP is running or the time has been manually set

Version 4.05
- reduce delay when sending SMS
- correct time zone support in graphs
- minor fixes in the web interface

Version 4.04
- improved communication with NTP server

Version 4.03
- minor fixes in the web interface

Version 4.02
- fixes when displaying measurement history on Firefox and Internet Explorer browsers

Version 4.01
- fixes when displaying software update status

SMART-LOGGER

Version 4.00
- split firmware into two branches, one branch for standalone devices and one for devices communicating with systemONE solution

Version 3.16
- fixes in input parameters validation
- DNS queries fixes

Version 3.15
- fixes in displaying dashboard on mobile devices
- patches for communication between dcms mote and dcms gateway

Version 3.14
- patches for communication between dcms mote and dcms gateway

Version 3.13
- new web interface layout
- patches in the www interface

Version 3.12
- reducing delays in measurements
- changes to the OID tree for SNMP to ensure compatibility with Axence nVision software
- fixes in MIB file

Version 3.11
- fixes in configuration of threshold values
- minor fixes in the web interface

Version 3.10
- patches in SNMP agent

Version 3.09
- fixes in displaying graphs
- patches for displaying dashboard on mobile devices

Version 3.08
- fixes for the measurement of temperatures below zero

Version 3.07
- patches for communication between dcms mote and dcms gateway

Version 3.06
- storing in logs threshold values

Version 3.05
- no fixes

Version 3.04
- patches for communication between dcms mote and dcms gateway

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Version 3.03
- validation of input data in email configuration

Version 3.02
- changing the firmware upgrade procedure
- improved handling of the TCP / IP stack

Version 3.01
- displaying the information about running synchronization procedure with dcms gateway

Version 3.00
- more detailed information is logged while sending email
- improved graph display when no time synchronization with NTP server or manual time is set
- added the Notification tab, where email, sms, snmp services are configured
- minor fixes in the web interface

Version 2.12
- improved software update procedure (support for weak and unstable internet connections)
- added support for temperatures below zero

Version 2.11
- improved SMS sending procedure
- improved silent mode operation - sensor failure is always signaled by a buzzer