MINI-IP

IP Multiprotocol I/O Modules

iSMA-B-MINI-IP Software Bundle 7.1

2025

The list below contains modifications and new features since the release of software bundle version 7.0.

NAME	DESCRIPTION
MINI-IP Ver. 7.1 Release date 18 Jun 2023	New functionalities: BACnet Protocol Revision 22 Update New B-SS (BTL-31278) and B-SA (BTL-31262) BACnet Conformance Certificate New services and objects added according to BACnet 1.22 standard added ReinitializeDevice service added ReadRange service added Network Port object Added support for custom Modbus intermessage delay for RS485 Gateway function
	 Improvements: ASV (Application software version) value changed to 1.0 Send Modbus Error Codes supported and can be enabled/disabled in both IP and RS485 I/O Modules Fixed bugs: New BACnet ID not accepted after reload settings

iSMA-B-MINI-IP Software Bundle 7.0

2023

The list below contains modifications and new features since the release of software bundle version 6.5.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 7.0 Release date 10 Nov 2023	New functionalities: DHCP client feature added to request IP configuration from a DHCP server; disabled by default Added Modbus TCP socket counter
	Improvements: • Rebranded webserver
	Fixed bugs: BACnet Application Software Version value changed to fixed 1.0

The list below contains modifications and new features since the release of software bundle version 6.4.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.5 Release date 13 Oct 2020	 Improvements: the default BBMD IP address set to 0.0.0.0; registering to the BBMD server is disabled if the BBMD IP address is left default; added option to disable the web server access by setting the HTTP port to 0; 4U4O: if the default temperature sensor is set to Fahrenheits, the default setpoint temperature is 70°F; BACnet stability improvement.
	Fixed bugs: • fixed Modbus statistics on www: Modbus Received / Error / Transmitted Frames; • fixed BACnet ID changes to reload settings; • fixed loss of frames over the BACnet IP; • fixed UI filter reset in case of short disconnection of the sensor; • PT1000 temperature sensor fix for readings over 350°C.

iSMA-B-MINI-IP Software Bundle 6.4

3 Jun 2020

The list below contains modifications and new features since the release of software bundle version 6.3.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.4 Release date 3 Jun 2020	 Fixed bugs: fixed TCP/UDP/IP stack issue, caused by 6.3 firmware that may have frozen BACnet IP communication; temperature value of disconnected sensor on UI restored to min/max INT value, issue caused by 6.3 firmware.

The list below contains modifications and new features since the release of software bundle version 6.2.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.3 Release date 3 Mar 2020	New functionalities: • new temperature sensors implemented in Celsius and Fahrenheit degrees: Celsius Fahrenheit NI1000 21C 10K Type2 NTC B=3975K NI1000 LG 10K Type3 NTC B=3695K 20K NTC B=4262K 3K NTC B=3975K PT1000 NI1000 32F NI1000 70F
	 upgraded built-in Web page with all new temperature sensors; new Modbus function 0x17 Read/Write Multiple registers new Modbus function 0x2B to read the VENDOR_NAME,MODEL_NAME, FW_VERSION, HOMEPAGE supporting Modbus address 0xFF for communication with gateway (IP module). Improvements: improved filtering on UI; Device Name (Object Name) in BACnet is saved in EEPROM memory. Fixed bugs: fixed one record in sensor 30k6A1 table -resistance 60713 to 80713 (5°C); "Send I Am" message is not sent if BACnet is turned off.

iSMA-B-MINI-IP Software Bundle 6.2

30 Jul 2018

The list below contains modifications and new features since the release of software bundle version 6.1.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.2 Release date	New functionalities: • support new HW V3.2 with UL certification by iSMA Configurator.
30 Jul 2018	Fixed bugs: • fixed Modbus TCP/IP socket timeout issue.

iSMA-B-MINI-IP Software Bundle 6.1

12 Apr 2018

The list below contains modifications and new features since the release of software bundle version 6.0.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.1 Release date 12 Apr 2018	 Fixed bugs: fixed reset of live time value; fixed inputs/outputs Watchdog issue related to live time value.

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The list below contains modifications and new features since the release of software bundle version 5.5.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 6.0 Release date 7 Dec 2017	New functionalities:

iSMA-B-MINI-IP Software Bundle 5.5

1 Jun 2017

The list below contains modifications and new features since the release of software bundle version 5.0.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 5.5 Release date 1 Jun 2017	New functionalities: added new proprietary properties in BACnet Device object: HW version, Modbus register 0 reference, RS485 biasing, RS485 actual baud rate, RS485 user baud rate, IP address, subnet, gateway, HTTP port, UDP port; added new Modbus registers: HW version, MAC address; added new elements on built-in web page: HW version, RS485 biasing. Improvements: improved Ethernet communication in Modbus gateway mode. Fixed bugs: fixed built-in web page (now BACnet COV Increment always in format with one decimal place).

The list below contains modifications and new features since the release of software bundle version 4.7.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 5.0 Release date 4 Jan 2017	New functionalities: • new HVAC functions Heating and Cooling in 4U4O based on output thermostatic control with a setpoint and differential value setting; • added new input mode for 4I4O: Time Relay NC [ms], Time Relay NO and NC in seconds, Input Forwarding; • added new input mode for 4U4O: Ordinary IO, Monostable Relay, Bistable Relay, Time Relay NO and NC [ms], Time Relay NO and NC in seconds, Input Forwarding, Heating, Cooling with corresponding BACnet objects and Modbus registers; • added reset output to default after input mode change in 4U4O and 4I4O. Improvements: • improved BACnet COV Increment can now have values with resolution 0.1; • added power Led flashing after IO watchdog triggered; • added immediately detecting sensors short circuit and disconnection regardless of filter settings on universal inputs; • added to Built-in Web page new modes in 4U4O as an additional table in UI tab. Fixed bugs: • fixed bug with Stop bits, was always 1.

iSMA-B-MINI-IP Software Bundle 4.7

28 Sep 2016

The list below contains modifications and new features since the release of software bundle version 4.6.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 4.7 Release date 28 Sep 2016	 Improvements: Modbus TCP exception codes improved; UI filter improved (better signal stability at a lower filter time constant); improved Ethernet stability (when module receive lots of errors on MAC layer will run auto-negotiation mode one more time).
	 Fixed bugs: fixed built-in web page (4I4O special modes fixed, BACnet COV Increment "0" value cannot be set, getting counter 4 fixed); fixed physical output state when priority table is null in BACnet Binary/Analog/Triac Output object (when priority table is null physical output is set to relinquish default value).

iSMA-B-MINI-IP Software Bundle 4.6

13 May 2016

The list below contains modifications and new features since the release of software bundle version 4.5.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 4.6 Release date 13 May 2016	 Fixed bugs: fixed DI tab in the built-in web page (in FV V4.5 entering this tab refreshed whole page).

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The list below contains modifications and new features since the release of software bundle version 4.4.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 4.5 Release date 30 Mar 2016	New functionalities:

iSMA-B-MINI-IP Software Bundle 4.3

18 Jan 2016

The list below contains modifications and new features since the release of software bundle version 4.2.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 4.3 Release date 18 Jan 2016	Improvements: • improved UI measurement for 16-bit resolution.

iSMA-B-MINI-IP Software Bundle 4.2

12 Jan 2016

The list below contains modifications and new features since the release of software bundle version 2.8.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 4.2 Release date 12 Jan 2016	New functionalities: new BACnet objects for configuration, detail in manual; added BACnet device property (Active COV Subscriptions); added BACnet objects for additional mode in 4l40.
	 Improvements: improved configuration of flag Out Of Service and Override in Digital Outputs and Analog Outputs; added COV Increment for Universal Inputs and Analog Outputs; BACnet Out Of Service for UI and BI with the possibility of overwriting present value BACnet Analog Output and Binary Output priority table reset after watchdog was triggered; improved resistance measurement on universal input for increased accuracy of PT1000 and NI1000; reading new IP address after reload settings; added flag Send Modbus Error; improved socket service interface for Modbus protocol; added PHY reset when error was detected (improved Ethernet stability); protocol Type has moved to IP Configuration on built-in web page; improved mode in 4I4O; disable BACnet protocol when Dipswitch are set to Modbus. Fixed bugs: fixed temperature sensor configuration for universal input.



The list below contains modifications and new features since the release of software bundle version 2.7.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 2.8 Release date 23 Sep 2015	Fixed bugs: • resolved problem with BACnet hanging after device reset.

iSMA-B-MINI-IP Software Bundle 2.7

28 Aug 2015

The list below contains modifications and new features since the release of software bundle version 2.2.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 2.7 Release date 28 Aug 2015	 Improvements: added functionality to make edit User Baud Rate on the built-in web page; improvement of error codes in Modbus TCP; additional login 'platform' to the built-in web page.

iSMA-B-MINI-IP Software Bundle 2.2

6 Aug 2015

The list below contains modifications and new features since the release of software bundle version 2.0.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 2.2 Release date 6 Aug 2015	 Improvements: improved layout on built-in web page; improved saving to EEPROM (counters after restore default settings was not saved).

The list below contains modifications and new features since the release of software bundle version 1.0.

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 2.0 Release date 13 Jul 2015	New functionalities:
	 resolved problem with saving counters in 4l4O; corrections on the built-in web page.

iSMA-B-MINI-IP Software Bundle 1.0

1 Jul 2015

NAME	DESCRIPTION
iSMA-B-MINI-IP Ver. 1.0 Release date 1 Jul 2015	First release.