

# iSMA-B-MAC36NL

## Master Application Controller

iSMA-B-MAC36NL Software Bundle 1.9

2023

The list below contains modifications and new features since the release of software bundle version 1.8.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL Ver. 1.9</b> Release date 13 July 2023	<b>New Functionalities:</b> <ul style="list-style-type: none"><li>• support of the Niagara 4.12.2.16 (U2);</li><li>• Compliance with BACnet version 15.</li></ul> <b>Improvements:</b> <ul style="list-style-type: none"><li>• stability improvements</li><li>• MAC-2411 - Improved time management on the controller, setting the time zone no longer requires a reboot of the controller;</li><li>• MAC-1916 - Increased the maximum number of FD_setsize from 1024 to 4096.</li></ul> <b>Niagara Versions Supported in This Installer:</b> <ul style="list-style-type: none"><li>• 4.4.73.24;</li><li>• 4.6.96.28;</li><li>• 4.7.109.20;</li><li>• 4.8.0.110;</li><li>• 4.9.1.30;</li><li>• 4.10.3.20;</li><li>• 4.11.1.16;</li><li>• 4.12.2.16.</li></ul>

iSMA-B-MAC36NL Software Bundle 1.8

2023

The list below contains modifications and new features since the release of software bundle version 1.7.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL Ver. 1.8</b> Release date 23 Feb 2023	<b>New Functionalities:</b> <ul style="list-style-type: none"><li>• support of the Niagara 4.10.3.20 (U3);</li><li>• support of the Niagara 4.12.0.156.</li></ul> <b>Improvements:</b> <ul style="list-style-type: none"><li>• stability improvements</li></ul> <b>Niagara Versions Supported in This Installer:</b> <ul style="list-style-type: none"><li>• 4.4.73.24;</li><li>• 4.6.96.28;</li><li>• 4.7.109.20;</li><li>• 4.8.0.110;</li><li>• 4.9.1.30;</li><li>• 4.10.3.20;</li><li>• 4.11.1.16;</li><li>• 4.12.0.156.</li></ul>
<b>iSMA IO Driver Ver. 2.4.0.0</b> Release date 23 Feb 2023	<b>Fixed bugs:</b> <ul style="list-style-type: none"><li>• MAC-2197 LocalIO points frozen values issue fixed</li></ul> <b>Improvements:</b> <ul style="list-style-type: none"><li>• stability improvements</li></ul>

The list below contains modifications and new features since the release of software bundle version 1.6.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.7</b> Release date 17 Aug 2022	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• support of the Niagara 4.11.1.16 (U1);</li> <li>• added IEEE802.1X support (requires N4.11);</li> <li>• added BACnet/SC support (requires N4.11).</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• rebranded boot and screensaver and console.</li> </ul> <p><b>Fixed Bugs:</b></p> <ul style="list-style-type: none"> <li>• Fixed IPv6 addressing issue.</li> </ul> <p><b>Niagara Versions Supported in This Installer:</b></p> <ul style="list-style-type: none"> <li>• 4.4.73.24;</li> <li>• 4.6.96.28;</li> <li>• 4.7.109.20;</li> <li>• 4.8.0.110;</li> <li>• 4.9.1.30;</li> <li>• 4.10.1.36;</li> <li>• 4.11.1.16.</li> </ul>
<b>iSMA IO Driver</b> <b>Ver. 2.3.0.0</b> Release date 23 Mar 2022	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• new DigitalUniversalInput component;</li> <li>• Polarity conversion functionality added to DigitalInput and DigitalOutput components.</li> </ul>

## iSMA-B-MAC36NL Software Bundle 1.6

7 Dec 2021

The list below contains modifications and new features since the release of software bundle version 1.5.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.6</b> Release date 7 Dec 2021	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• support of the Niagara 4.10.1.36 (U1).</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• stability improvements.</li> </ul> <p><b>Fixed Bugs:</b></p> <ul style="list-style-type: none"> <li>• iSMA Modbus Tunnel not working in Niagara 4.10 on iSMA-B-MAC36NL fixed in 4.10.1.36 version.</li> </ul> <p><b>Niagara Versions Supported in This Installer:</b></p> <ul style="list-style-type: none"> <li>• 4.4.73.24;</li> <li>• 4.6.96.28;</li> <li>• 4.7.109.20;</li> <li>• 4.8.0.110;</li> <li>• 4.9.1.30;</li> <li>• 4.10.1.36.</li> </ul>

## iSMA-B-MAC36NL Software Bundle 1.5

13 Jul 2021

The list below contains modifications and new features since the release of software bundle version 1.4.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.5</b> Release date 23 Jun 2021	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• support of the Niagara 4.9.1.30 (U1);</li> <li>• support of the Niagara 4.10.0.154.</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• PlatDataRecoveryService required during commissioning.</li> </ul> <b>Niagara Versions Supported in This Installer:</b> <ul style="list-style-type: none"> <li>• 4.4.73.24;</li> <li>• 4.6.96.28;</li> <li>• 4.7.109.20;</li> <li>• 4.8.0.110;</li> <li>• 4.9.1.30;</li> <li>• 4.10.0.154.</li> </ul>
<b>iSMA IO Driver</b> <b>Ver. 2.2.0.5</b> Release date 8 Mar 2021	<b>Improvements:</b> <ul style="list-style-type: none"> <li>• AO, NumericPoint, NumericWritable prints improved warning logs;</li> <li>• stability improvements.</li> </ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"> <li>• freezing Universal Input after language change in Local Platform Service Settings;</li> <li>• universal input displaying only integer values of the input in Voltage mode.</li> </ul>

## iSMA-B-MAC36NL Software Bundle 1.4

16 Dec 2020

The list below contains modifications and new features since the release of software bundle version 1.3.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.4</b> Release date 16 Dec 2020	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• support of the Niagara 4.9 (distribution v.1288);</li> <li>• alarm diode supports station fault, removal or stopping state (4.9 and up);</li> <li>• new Niagara 4.8 CleanDist.</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• stability improvements.</li> </ul> <b>Fixed Bugs:</b> <p>Niagara 4.8 version updated to 4.8.0.110.1 (distribution v.1256 and up) includes:</p> <ul style="list-style-type: none"> <li>• fixed TCP/IP gateway on both IP ports;</li> <li>• fixed DHCP hostname issue;</li> <li>• fixed issue of inadequate memory while distribution upgrade.</li> </ul>
<b>iSMA IO Driver</b> <b>Ver. 2.2.0.3</b> Release date 16 Dec 2020	<b>Improvements:</b> <ul style="list-style-type: none"> <li>• iSMA_IO signed with Global Control 5 Trusted Certificate;</li> <li>• stability improvements.</li> </ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"> <li>• freezing Universal Input after facet change.</li> </ul>
<b>iSMA HDMI Driver</b> <b>Ver. 1.1.1</b> Release date 16 Dec 2020	<b>Improvements:</b> <ul style="list-style-type: none"> <li>• iSMA_HDMI signed with Global Control 5 Trusted Certificate;</li> <li>• stability improvements.</li> </ul>

The list below contains modifications and new features since the release of software bundle version 1.2.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.3</b> <b>(Build 1152)</b> Release date 31 Mar 2020	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• support of the Niagara 4.8 (distribution v. 1152);</li> <li>• web engine: User fonts support and a pop-up control for the HDMI display;</li> <li>• device extension auto-recognition shown in the "Product" field in the Niagara Platform (works from v2.1 hardware version).</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• log saving to the Niagara home directory after a watchdog action;</li> <li>• Watchdog monitoring of internal processes;</li> <li>• MCU firmware update v2.5:               <ul style="list-style-type: none"> <li>• Improved UI filtering;</li> <li>• Improved UI measurement process.</li> </ul> </li> </ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"> <li>• BACnet MSTP high CPU usage;</li> <li>• display resolution issue (wrong resolution after a display power loss);</li> <li>• display detection issue (no need to restart the controller);</li> <li>• passphrase issue (passphrase is now saved on the SD card).</li> </ul>
<b>iSMA IO Driver</b> <b>Ver. 2.1.0.0</b> Release date 31 Mar 2020	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• new temperature sensors support;</li> <li>• universal input resistance offset, linear conversion, custom table;</li> <li>• analog output linear conversion;</li> <li>• DIP switch and rotary switch components added to the LocalIO.</li> </ul>

### iSMA-B-MAC36NL Software Bundle 1.1

4 Apr 2019

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

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.1</b> Release date 4 Apr 2019	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• web engine with keyboard and screensaver with standby via HDMI port;</li> <li>• autologin function;</li> <li>• web control panel;</li> <li>• restore default settings by DIP switch.</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• autologin process.</li> </ul>
<b>iSMA HDMI Driver</b> <b>Ver. 1.0.10.0</b> Release date 4 Apr 2019	First release.

### iSMA-B-MAC36NL Software Bundle 1.0

7 Feb 2019

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

NAME	DESCRIPTION
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<p><b>iSMA-B-MAC36NL</b>  <b>Ver. 1.0</b>  <b>(Build 936)</b>  Release date  7 Feb 2019</p>	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• support for Niagara 4.6 and 4.7;</li> <li>• Data Recovery Service for all supported Niagara versions;</li> <li>• BACnet MS/TP support;</li> <li>• access to services using IP ports 1 – 1024;</li> <li>• device serial number / hardware version displayed in Niagara Platform.</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• major performance increase;</li> <li>• numerous security changes;</li> <li>• stability and noise immunity improvements.</li> </ul> <p><b>Fixed Bugs:</b></p> <ul style="list-style-type: none"> <li>• serial port connection issues, 76800 baud rate support added;</li> <li>• BACnet IP timeouts;</li> <li>• multicast errors during station startup.</li> </ul>
<p><b>iSMA IO Driver</b>  <b>Ver. 1.1.4.3</b>  Release date  28 Jan 2019</p>	<p><b>Fixed Bugs:</b></p> <ul style="list-style-type: none"> <li>• fixed errors while starting station containing iSMA_IO components;</li> <li>• fixed errors while input reading.</li> </ul>

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL Factory Software Bundle (Build 665)</b> Release date 9 Oct 2018	<ul style="list-style-type: none"><li>• First release;</li><li>• support for Niagara 4.4.</li></ul>
<b>iSMA IO Driver Ver. 1.1.3.0</b> Release date 9 Oct 2018	First release.