

# iSMA-B-MAC36NL

## Master Application Controller

iSMA-B-MAC36NL Release Note 1.12

2025

The list below contains modifications and new features since the release of Release Note version 1.11.

NAME	DESCRIPTION
<p><b>iSMA-B-MAC36NL</b> <b>Ver. 1.12</b> Release date 23 January 2025</p>	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"><li>• support of the Niagara 4.10.9.16;</li><li>• support of the Niagara 4.14.0;</li></ul> <p><b>MAC36NL support:</b></p> <ul style="list-style-type: none"><li>• iC Niagara Expansion Pack 4.10.9;</li><li>• iC Niagara Expansion Pack 4.14;</li><li>• iC Workbench 4.10.9.14;</li><li>• iC Workbench 4.14.</li></ul> <p><b>Bug Fixed:</b></p> <ul style="list-style-type: none"><li>• MAC-2717 – SNMP does not work on UDP when using port &lt;1024.</li></ul> <p><b>Known Issues:</b></p> <ul style="list-style-type: none"><li>• MAC-3438 – Java exceptions in Application Director while using M-Bus driver in 4.14.0. Related with Tridium NCCB-68612 and NCCB-56160.</li><li>• MAC-3452 – Station created in 4.14 Niagara using New Station wizard and NewControllerStation 1.7 template will no be supported in previous Niagara version (4.10 and below) due to TLS 1.3 requirement in Niagara 4.14. Related with Tridium NCCB-46969.</li></ul>

The list below contains modifications and new features since the release of Release Note version 1.10.

NAME	DESCRIPTION
<p><b>iSMA-B-MAC36NL Ver. 1.11</b> Release date 23 July 2024</p>	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• support of the Niagara 4.10.7.42</li> </ul> <p><b>MAC36NL support:</b></p> <ul style="list-style-type: none"> <li>• iC Niagara Expansion Pack 4.10.7</li> <li>• iC Niagara Expansion Pack 4.13.2</li> <li>• iC Workbench 4.10.7.42</li> <li>• iC Workbench 4.13.2</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• JAVA 8 updated to 402 version as in 4.13.2</li> </ul> <p><b>Other changes:</b> MAC36NL_files_installer is being replaced by iC Workbench with native support for MAC36NL support files and by iC Niagara Expansion Pack. At the time of publishing this document, there are two versions of both tools that include MAC36NL support:</p> <ul style="list-style-type: none"> <li>• 4.13.2;</li> <li>• 4.10.7.</li> </ul> <p>In order to use MAC36NL I any previous versions please use the legacy iSMA_MAC36NL_files_installer_v1.10.</p>

The list below contains modifications and new features since the release of Release Note version 1.9.

NAME	DESCRIPTION
<p><b>iSMA-B-MAC36NL Ver. 1.10</b> Release date 7 May 2024</p>	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• support of the Niagara 4.13.2.18 (U2);</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• JAVA updated to 402</li> <li>• Cleandist version updated to 2.1</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>• 4.10.3.20;</li> <li>• 4.11.1.16;</li> <li>• 4.12.2.16;</li> <li>• 4.13.2.18.</li> </ul>

The list below contains modifications and new features since the release of Release Note version 1.8.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.9</b> Release date 13 July 2023	<p><b>New Functionalities:</b></p> <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> <p><b>Improvements:</b></p> <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> <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>• 4.10.3.20;</li> <li>• 4.11.1.16;</li> <li>• 4.12.2.16.</li> </ul>

The list below contains modifications and new features since the release of Release Note version 1.7.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.8</b> Release date 23 Feb 2023	<p><b>New Functionalities:</b></p> <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> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• stability improvements</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>• 4.10.3.20;</li> <li>• 4.11.1.16;</li> <li>• 4.12.0.156.</li> </ul>
<b>iSMA IO Driver</b> <b>Ver. 2.4.0.0</b> Release date 23 Feb 2023	<p><b>Fixed bugs:</b></p> <ul style="list-style-type: none"> <li>• MAC-2197 LocalIO points frozen values issue fixed</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• stability improvements</li> </ul>

The list below contains modifications and new features since the release of Release Note version 1.6.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.7</b> Release date 17 Aug 2022	<b>New Functionalities:</b> <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> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• rebranded boot and screensaver and console.</li> </ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"> <li>• Fixed IPv6 addressing issue.</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>• 4.10.1.36;</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	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• new DigitalUniversalInput component;</li> <li>• Polarity conversion functionality added to DigitalInput and DigitalOutput components.</li> </ul>

The list below contains modifications and new features since the release of Release Note version 1.5.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.6</b> Release date 7 Dec 2021	<b>New Functionalities:</b> <ul style="list-style-type: none"> <li>• support of the Niagara 4.10.1.36 (U1).</li> </ul> <b>Improvements:</b> <ul style="list-style-type: none"> <li>• stability improvements.</li> </ul> <b>Fixed Bugs:</b> <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> <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>• 4.10.1.36.</li> </ul>

The list below contains modifications and new features since the release of Release Note 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 Release Note 1.4

16 Dec 2020

The list below contains modifications and new features since the release of Release Note 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 Release Note version 1.2.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.3</b> <b>(Build 1152)</b> Release date 31 Mar 2020	<p><b>New Functionalities:</b></p> <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> <p><b>Improvements:</b></p> <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> <p><b>Fixed Bugs:</b></p> <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	<p><b>New Functionalities:</b></p> <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>

The list below contains modifications and new features since the release of Release Note version 1.0.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.1</b> Release date 4 Apr 2019	<p><b>New Functionalities:</b></p> <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> <p><b>Improvements:</b></p> <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.

The list below contains modifications and new features since the release of the factory Release Note version.

NAME	DESCRIPTION
<b>iSMA-B-MAC36NL</b> <b>Ver. 1.0</b> <b>(Build 936)</b> Release date 7 Feb 2019	<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>
<b>iSMA IO Driver</b> <b>Ver. 1.1.4.3</b> Release date 28 Jan 2019	<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 Release Note (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.