

## MIX IP FIRMWARE VERSIONS

The list below contains modifications and new features:

Name	Description
<b>Firmware version 6.2</b> Release date 30.07.2018	<b>New functions:</b> <ul style="list-style-type: none"> <li>• Support new HW V3.2 with UL certification by iSMA Configurator</li> </ul> <b>Fixed bugs:</b> <ul style="list-style-type: none"> <li>• Fixed Modbus TCP/IP socket timeout issue</li> </ul>
<b>Firmware version 6.1</b> Release date 12.04.2018	<b>Fixed bugs:</b> <ul style="list-style-type: none"> <li>• Fixed reset of live time value</li> <li>• Fixed Inputs/Outputs watchdog issue related to live time value</li> </ul>
<b>Firmware version 6.0</b> Release date 07.12.2017	<b>New functions:</b> <ul style="list-style-type: none"> <li>• Firmware Version 6.0 released with BACnet certification</li> <li>• Added possibility to upgrade devices firmware via BACnet</li> </ul> <b>Fixed bugs:</b> <ul style="list-style-type: none"> <li>• Fixed out of service flags in AO, BO and TO in BACnet</li> <li>• Fixed overridden flags in AO, BO and TO in BACnet</li> <li>• Fixed bug with number of counters for Binary Input object (now variable is 32 bit)</li> <li>• Changed AO-1, BO-1, TO-1 HAND_STATUS Access to read only in BACnet</li> </ul>
<b>Firmware version 5.5</b> Release date 01.06.2017	<b>New functions:</b> <ul style="list-style-type: none"> <li>• Added new proprietary properties in BACnet Device object:               <ol style="list-style-type: none"> <li>a) Property 3020 HW_VERSION</li> <li>b) Property 3030 VERSION_TYPE</li> <li>c) Property 3084 BAUD_RATE</li> <li>d) Property 3085 USER_BAUD_RATE</li> <li>e) Property 3101 IP_ADDRESS</li> <li>f) Property 3102 SUBNET_MASK</li> <li>g) Property 3103 DEFAULT_GATEWAY</li> <li>h) Property 3104 HTTP_PORT</li> <li>i) Property 3105 BACNET_UDP_PORT</li> </ol> </li> <li>• Added new Modbus registers for:</li> </ul>

	<ul style="list-style-type: none"> <li>a) Register 30130 HW_VERSION</li> <li>b) Register 30131 MAC_ADDRESS</li> <li>• Added new element on the web page: <ul style="list-style-type: none"> <li>a) Hardware Version –main page, section Basic Information</li> </ul> </li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• Improved Ethernet communication in Modbus Gateway mode;</li> <li>• Improved algorithm of resetting Ethernet switch when error is detected (improved Ethernet stability);</li> </ul> <p><b>Fixed bugs:</b></p> <ul style="list-style-type: none"> <li>• Fixed built-in web page (now BACnet COV Increment always in format with one decimal place);</li> </ul>
<p><b>Firmware version 5.0</b></p> <p>Release date 04.01.2017</p>	<p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• Improved BACnet COV Increment can now have values with resolution 0.1;</li> <li>• Added power Led flashing after IO watchdog triggered;</li> <li>• Added immediately detecting sensors short circuit and disconnection regardless of filter settings on universal inputs;</li> </ul>
<p><b>Firmware version 4.4</b></p> <p>Release date 28.09.2016</p>	<ul style="list-style-type: none"> <li>• Fixed built-in web page (BACnet COV Increment "0" value cannot be set);</li> <li>• Modbus TCP exception codes improved;</li> <li>• UI filter improved (better signal stability at a lower filter time constant);</li> <li>• Fixed a physical output state when priority table is null in BACnet Binary/Analog Output object (when priority table is null physical output is set to relinquish default value);</li> </ul>
<p><b>Firmware version 4.3</b></p> <p>Release date 30.03.2016</p>	<ul style="list-style-type: none"> <li>• Improved algorithm of handling Modbus TCP connections and data (when incorrect data arrives device will close the connection);</li> <li>• improved Ethernet stability when device receive invalid Ethernet frame;</li> </ul>
<p><b>Firmware version 4.1</b></p> <p>Release date 18.01.2016</p>	<ul style="list-style-type: none"> <li>• Resolved problem with BACnet hanging after device reset;</li> <li>• New BACnet objects for configuration, detail in manual;</li> <li>• Improved on the built-in web page;</li> <li>• Improved configuration of flag Out Of Service and Override in Digital Outputs and Analog Outputs;</li> </ul>

	<ul style="list-style-type: none"> <li>• Added COV Increment for Universal Inputs and Analog Outputs</li> <li>• BACnet Out Of Service for UI and BI with the possibility of overwriting present value;</li> <li>• BACnet Analog Output and Binary Output priority table reset after watchdog was triggered;</li> <li>• Added BACnet device property (Active COV Subscriptions);</li> <li>• Added BACnet objects for additional mode in 4I40;</li> <li>• Improved Resistance measurement on Universal Input for increased accuracy of PT1000 and NI1000;</li> <li>• Improved UI measurement for 16-bit resolution;</li> <li>• Reading new IP address after reload settings;</li> <li>• Fixed temperature sensor configuration for Universal Input;</li> <li>• Added flag Send Modbus Error;</li> <li>• Improved socket service interface for Modbus protocol;</li> <li>• Added PHY reset when error was detected (improved Ethernet stability);</li> <li>• Protocol Type has moved to IP Configuration on web page;</li> <li>• Disable BACnet protocol when Dipswitch are set to Modbus;</li> <li>• Fixed command Write Single Register in Modbus TCP;</li> </ul>
<b>Firmware version 2.1</b> Release date 28.08.2015	<ul style="list-style-type: none"> <li>• Improved edit user baud rate on the built-in web page;</li> <li>• Resolved problem with Analog Outputs (reset PWM value in 0-10V mode);</li> <li>• Improvement of error codes in Modbus TCP;</li> <li>• Additional login 'platform' to the built-in web page;</li> </ul>
<b>Firmware version 1.6</b> Release date 06.08.2015	<ul style="list-style-type: none"> <li>• Resolved problem with IO watchdog;</li> <li>• Improved saving to EEPROM (counters after restore default settings was not saved);</li> </ul>
<b>Firmware version 1.3</b> Release date 13.07.2015	<ul style="list-style-type: none"> <li>• Improved Resistance Input for Universal Input;</li> <li>• Improved sequence of outputs in Digital Output;</li> <li>• Resolved problem with PWM;</li> </ul>
<b>Firmware version 1.0</b> Release date 01.07.2015	<ul style="list-style-type: none"> <li>• First release</li> </ul>