Firmware for ioLogik 2500 Series (HSPA) Release Notes

<table>
<thead>
<tr>
<th>Version: v2.3</th>
<th>Build: Build18060814</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date: Aug 20, 2018</td>
<td></td>
</tr>
</tbody>
</table>

**Applicable Products**
ioLogik 2542-HSPA(-T), ioLogik 2512-HSPA(-T)

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- Fixed where using FTP Upload action in Click&Go Plus triggers abnormal device reboot.
- Fixed AI scaling result and web display error.
- Fixed where using TCP Message action in Click&Go Plus triggers abnormal device reboot.

**Changes**
N/A

**Notes**
Not compatible with HW Rev: 2.0.0 or later.
Supported Operating Systems
N/A

Applicable Products
ioLogik 2512-HSPA, ioLogik 2512-HSPA-T, ioLogik 2542-HSPA, ioLogik 2542-HSPA-T

New Features
• Modbus/TCP Master function added.
• RESTful API protocol added.
• HTTPs added.
• Counter power off storage function added.
• Counter overflow flag added.
• Service Setting to Enable/Disable all services on one page added.
• Access Control function for login attempt and lockout added.
• User Settings operator, user account enable/disable added.
• Password expire time and notification added.
• 10 System use notification added on login page.
• BOOL, DWORD internal registers added.
• AOPC alive check for port 9500 added.

Enhancements
• Counter Value can be set by user through Modbus/TCP, AOPC, SNMP, RESTful API.
• DO safe mode Hold Last function added.
• ioLogik E1200 expansion unit connection status registers added.
• ioLogik E1200 expansion unit auto-reconnection function added.
• Unencrypted system log content added.

Bugs Fixed
• Fixed NTP only updates once for daylight saving time.
• Fixed weekday and time zone mismatch issue.
• Fixed counter initial value reset to 0 after counter scaling is enabled.
• Fixed counter value reset to 0 when device is reconnected with MX-AOPC UA Server.
• Fixed AI keyword replacement error for active messages from Click&Go Plus.
• Fixed Click&Go DO lock issue when power on delay occurs.
• Fixed unable to show special characters on web dashboard.
• Fixed alias name with special characters issue.
• Fixed AI on change update not triggered when variance<1.

Changes
• Updated password requirement.

Notes
• Not compatible with HW Rev: 2.0.0 or later.
Applicable Products
ioLogik 2512-HSPA, ioLogik 2512-HSPA-T, ioLogik 2542-HSPA, ioLogik 2542-HSPA-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Improve device time accuracy.

Bugs Fixed
N/A

Changes
N/A

Notes
• Not compatible with HW Rev: 2.0.0 or later.
### Applicable Products
ioLogik 2512-HSPA, ioLogik 2512-HSPA-T, ioLogik 2542-HSPA, ioLogik 2542-HSPA-T

### Supported Operating Systems
N/A

### New Features
- Support MXIO V3.0.
- Support MX-AOPC UA Logger data supplement function.
- Added User Settings for three roles, Administrator, Operator, and User.
- Added Access Control for allowing IP address to access with Modbus protocol.
- Added three TC modes (78.126 mV, 39.062 mA, and 19.532 mV) of ioLogik E1262 as I/O expansion.
- Added “Power on Delay” settings for relay channels of ioLogik E1214 as I/O expansion.
- Added Modbus address for raw value of AI, AO, TC, and RTD.
- Added Modbus address for relay current count value, relay total count value, and reset relay current count value of ioLogik E1214 as I/O expansion.
- Added IF condition of Click&Go Plus for “relay current count value” and “total count value”.
- Added Action of Click&Go Plus for “Reset relay current count value”.
- Added Modbus host connection timeout settings.
- Added IF condition of Click&Go Plus for “Modbus host connection status”.
- Added IF condition of Click&Go Plus for RTD and TC value comparison.
- Added enable/disable FTP server service option.
- Added timestamp options (device local time or UTC and time zone) for data logging function.
- Added Peer-to-Peer disconnection mode settings for DO and AO channels.
- Added communication timeout settings for FTP Client, Email, CGI Command Client, TCP Message, and Remote Action Client.
- Added checksum algorithm to improve correctness of configuration file transfer between IOxpress and Device.
- Added search device by IP address.
- Added IF condition of Click&Go Plus for “Cellular link up”.
- Added RSSI tag.
- Added “Cellular IP” in keyword lookup options of SNMP trap, TCP/UDP message, email, and SMS.
- Added online web and configuration compatibility check, and guide user to import configuration through IOxpress.
- Added access rights of Web Console by different user type.

### Enhancements
N/A

### Bugs Fixed
- Fixed DO incorrect ON CHANGE status issue, which happened on Online Web interface, Modbus, AOPC, and Data Logging functions.
- Fixed FTP Client return code (450) handling issue for FTP server.
- Fixed Serial Mode setting mismatch (485-2W/422).

### Changes
N/A

### Notes
• Not compatible with HW Rev: 2.0.0 or later.
<table>
<thead>
<tr>
<th>Version: v1.2.0</th>
<th>Build: Build15082818</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release Date: Oct 29, 2015</td>
<td></td>
</tr>
</tbody>
</table>

**Applicable Products**
ioLogik 2512-HSPA, ioLogik 2512-HSPA-T, ioLogik 2542-HSPA, ioLogik 2542-HSPA-T

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- Fix a malfunction occurs while importing configuration with empty rule to device via Web.

**Changes**
N/A

**Notes**
- Not compatible with HW Rev: 2.0.0 or later.