



Firmware for ioLogik E1200 Series (ioLogik E1242/E1242-T) Release Notes

Version: v4.0	Build: Build24052310
Release Date: Aug 29, 2025	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Compatibility with the switch-IC change of HW Rev. 2.0.
- Adds a configurable MXIO authentication mode.

Enhancements

N/A

Bugs Fixed

- Multiple vulnerabilities:
 - Web applications are potentially vulnerable to Clickjacking.
 - Web server transmits credentials in clear text without masking.
 - Web server allows auto-completion of the password.
- Configuration import does not work for accessible IP list.
- The firmware may crash when incorrect cookies are used.
- The operation status in SNMP ifTable is not correct.
- The interface index starting with 0 could cause confusion; should start from 1.
- Remove the redundant oid in SNMP MIB-2 ifTable.
- Cannot copy and paste the web console password should be allowed.
- Correct the E1240/E1242 web description for the peer-to-peer function.
- A compatibility issue with multi-source components for E1242 AI type jumper detection.

Changes

- The default setting for SNMP/EIP/RESTful services changes to “disable”.
- Changes the format of the web console login password.
- Changes the RESTful response header “content-type” to “application/json”.
- Changes the RESTful header “accept” to “application/json;version=vdn.dac.v1”.

Notes

N/A



Version: v3.4	Build: Build24072310
Release Date: Sep 20, 2024	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- A login page display issue.

Changes

N/A

Notes

N/A



Version: v3.3	Build: Build 22072210
Release Date: Aug 03, 2022	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Adds default password "moxa".
- Adds Password and Login Policy.
- Adds Notification Message function.

Enhancements

- Adds DHCP Option 12 "Server Name".

Bugs Fixed

- Ethernet/IP cannot establish second input-only session.
- RESTful API cannot control DIO channels.
- Ethernet frame padding information leakage (Etherleak).

Changes

N/A

Notes

N/A



Version: v3.2	Build: Build20111915
Release Date: Dec 25, 2020	

Applicable Products

ioLogik E1242-T, ioLogik E1242

Supported Operating Systems

N/A

New Features

- Safe Mode supports Ethernet/IP protocol.

Enhancements

N/A

Bugs Fixed

- DHCP mode will not get the Gateway IP.
- The counter value is reset after power failure when booting up.
- The serial number is displayed incorrectly on the web console.
- Ethernet/IP implicit messages are sent to port 2222 by default.
- Discrepancy in the Modbus address at viewed on the web console.

Changes

N/A

Notes

N/A



Version: v3.1	Build: Build19110615
Release Date: Nov 26, 2019	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- EtherNet/IP registration on Moxa's licensing website is no longer required.
- Added case insensitive content-length for RESTful API.

Enhancements

N/A

Bugs Fixed

- Fixed inaccurate counter value when using Modbus to start a pulse (E1210/E1212/E1213).
- Fixed opposite on/off pulse width display on web console (E1211/E1212/E1214).
- Fixed that the offset scaling value will reset after changing the Alias name (E1260).
- Fixed self-rebooting when entering URL in the browser for the configuration file.
- Fixed EDS file import connection error.
- Fixed failure when using save counter on power failure and reset counter at the same time (E1210/E1212/E1213).
- Fixed inaccurate counter value when using high frequency (E1210/E1212/E1213).
- Fixed that the trap community name is not included in the export file.
- Fixed that EtherNet/IP cannot use the "Set Attribute Single" service.
- Added an enable RESTful API setting in the configuration file.

Changes

N/A

Notes

N/A



Version: v3.0	Build: Build17111512
Release Date: Jan 16, 2018	

Applicable Products

ioLogik E1242-T, ioLogik E1242

Supported Operating Systems

N/A

New Features

- Added OPTIONS method for RESTful API.
- Added quick access URI for RESTful API.

Enhancements

- Added SNMP Trap Community Setting on web console.
- Mentioned max. 16 characters on password setting page.

Bugs Fixed

- Fixed DHCP lease time did not ask for extension when half of the lease time elapsed.
- Closed IP forwarding function (Port 0).
- Closed UDP Port 161 when SNMP agent is disabled.
- Fixed invalid token issue on login page when using Firefox.
- Fixed RESTful API header case-sensitive issue.
- Fixed pulse width cannot be set by MXIO Library.

Changes

N/A

Notes

- This version of firmware works with the ioSearch V2.0 or later only.
- Update only the next or the previous released firmware version to prevent from system failure.



Version: v2.5	Build: Build16091211
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Added EtherNet/IP protocol.
- Added RESTful API.
- Added new registers for Modbus/TCP protocol.
- Added new OIDs of SNMP protocol.
- Modbus, EtherNet/IP, RESTful Services can be disabled (default: enable).
- Added sending heartbeat to 9500 port of MX-AOPC UA Server after heartbeat function is enabled.
- Increased password length from 8 to 16.
- Added checking special character function for preventing from Cross-Site Scripting.
- Changed sending password from GET to POST method.
- Added CSRF protection.

Enhancements

N/A

Bugs Fixed

- Fixed file transfer with Chrome browser issue (e.g. firmware update, configuration import or export).

Changes

N/A

Notes

N/A



Version: v2.4	Build: Build16053018
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Improve protocol efficiency with ioLogik 2500 series .

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v2.2	Build: Build14121211
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Support ioLogik 2500 expansion mode.
- Support scaling.

Enhancements

N/A

Bugs Fixed

- When power is turned off/on, DO channels will be turned on.
- Unable to disable the P2P Heart beat interval.
- When the Heart beat Interval Time = 0, the P2P server will reconnect continuously.
- When the P2P client heartbeat is set to a value larger than 256, the time interval will be incorrect.
- Web User-Define Modbus address is incorrect.

Changes

N/A

Notes

N/A



Version: v2.0	Build: Build13041515
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Support SNMP protocol.
- Add P2P heartbeat function .

Enhancements

N/A

Bugs Fixed

- When power failing, counter storage fail.

Changes

N/A

Notes

- This version of firmware works with the ioSearch V1.5 or later only.
- Use web console when upgrading firmware from V1.0 to V1.10.



Version: v1.10	Build: Build12020809
Release Date: N/A	

Applicable Products

ioLogik E1242-T, ioLogik E1242

Supported Operating Systems

N/A

New Features

- Added AI ranges 0-20 mA and 4-20 mA for Burn Out mode.

Enhancements

- Ensured system to work properly after unstable power condition.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.9	Build: Build11112413
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Ensured system to work properly after unstable power condition.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.8	Build: Build11092917
Release Date: N/A	

Applicable Products

ioLogik E1242, ioLogik E1242-T

Supported Operating Systems

N/A

New Features

- Added Locating I/O function in General Settings.
- Added Modbus address function code=0x08 for “ECHO” function.
- Counter overflow status is displayed on Channel Settings, and can be manually cleared.
- Added Modbus address for Peer-to-peer connection and safe mode status.
- Peer-to-peer connection and safe mode status are displayed on Channels Safe Mode Settings.

Enhancements

- Improved firmware upgrading speed.
- Removed Modbus/TCP ID checking mechanism.

Bugs Fixed

- One DO/AO channel should only be peered by one DI/AI channel.
- No matter safe mode is triggered by Watchdog or Peer-to-peer, the DO/AO status under safe mode should be the same.

Changes

N/A

Notes

N/A