



Firmware for ioThinx 4510 Series Release Notes

Version: v2.0	Build: Build25051310
Release Date: Sep 17, 2025	

Applicable Products

ioThinx 4510 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Improves internal handling of device identity to ensure stable operation.
This improvement does not affect existing functions or usage.

Bugs Fixed

N/A

Changes

N/A

Notes

- For details on hardware and software compatibility, refer to product change notification PCN001132.



Version: v1.7	Build: Build 24102515
Release Date: Nov 19, 2024	

Applicable Products

ioThinx 4510 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- A compatibility issue with ioThinx 4510 and 45MR-2600/2601/2606 on firmware v1.6. See pcn-001085) for details.

Changes

N/A

Notes

N/A



Version: v1.6	Build: Build 24080114
Release Date: Sep 25, 2024	

Applicable Products

ioThinx 4510 Series

Supported Operating Systems

N/A

New Features

- When the ioThinx 4510 powers up, the device will send data topics to be published to the MQTT broker.
- Enables the ioThinx 4510 to connect to the MQTT Broker using a domain name.
- Adds SNMP Trap: System Event.
- Adds Module Information (Module name, Module serial number) to the RESTful API.

Enhancements

N/A

Bugs Fixed

- Connect list of the web console does not automatically refresh after abnormal disconnection.
- Abnormal upper limit value for the DO Pulse interval.

Changes

N/A

Notes

N/A



Version: v1.5.0	Build: Build22060217
Release Date: Jun 30, 2022	

Applicable Products

ioThinx 4510(-T)

Supported Operating Systems

N/A

New Features

- Watchdog feature to handle bus error.

Enhancements

N/A

Bugs Fixed

- Fixed interval of the NTP setting that did not sync with the real state issue.
- Fixed the SNMPv3 reportable flag behavior to meet the RFC 3412 standard.

Changes

N/A

Notes

N/A



Version: v1.4.0	Build: Build21110917
Release Date: Dec 02, 2021	

Applicable Products

ioThinx 4510(-T)

Supported Operating Systems

N/A

New Features

- Added remote syslog.
- Added unsigned WORD/DWORD to IR type.
- Added the word swap and byte swap data transformation function to the Modbus RTU master.

Enhancements

- Enhanced HTTPs web console usability and performance.

Bugs Fixed

- Fixed the issue that the keepalive feature in Modbus TCP did not work normally.
- Fixed the abnormal functioning of the temperature measurement function in the 45MR-6810(-T) model.

Changes

N/A

Notes

N/A



Version: v1.3	Build: Build21030416
Release Date: Apr 16, 2021	

Applicable Products

ioThinx 4510 (-T)

Supported Operating Systems

N/A

New Features

- Supports MXView v3.1.20 and MXConfig v2.7.
- Added LLDP protocol.

Enhancements

N/A

Bugs Fixed

- Device name does not change in Modbus webpage.
- MAC in SNMP package shows Engine ID.
- SNMP EngineBoots won't update after reboot.
- No error message when 45MR modules enter into MP mode.

Changes

N/A

Notes

N/A

Version: v1.2.0	Build: Build19100916
Release Date: Oct 31, 2019	

Applicable Products

ioThinx 4510 (-T)

Supported Operating Systems

N/A

New Features

- Added support for the 45MR-4420(-T) module.
- Added support for SNMP Trap and SNMP Inform.

Enhancements

- SNMPv3 supports SHA-2 algorithm for data encryption.

Bugs Fixed

- SNMPv1 and SNMPv2c still work when SNMP is set to "v3 only".
- The connection list is blank when the user checks the connection list via the web service.

Changes

- IT protocols (RESTful API, MQTT, SNMP) cannot be used at the same time due to product limitations.

Notes

N/A



Version: v1.1.0	Build: Build19043017
Release Date: Jun 05, 2019	

Applicable Products

ioThinx 4510 (-T)

Supported Operating Systems

N/A

New Features

- Supports MQTT clients.
- Supports web service via https.
- Supports RESTful API via https.
- Supports MXIO library.
- Supports the 45MR-7210 power module.
- Supports mass deployment to multiple ioThinx 4510 Series devices. The following functions are supported: Change IP Address, Change Device Name, Retrieve System Log, and Get Certificate from Device.

Enhancements

- Security enhancement: Add system logs.
- RTD channels support the calibration function.
- Any AI, RTD, or TC channel can be disabled. You no longer need to disable channels starting from the last channel.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.0	Build: Build18112118
Release Date: Nov 28, 2018	

Applicable Products

ioThinx 4510 series

Supported Operating Systems

N/A

New Features

First release

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A