Firmware for ioThinx 4510 Series Release Notes

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