



## Firmware for ioThinX 4510 Series Release Notes

<b>Version: v1.60</b>	<b>Build: Build24062716</b>
<b>Release Date: Jul 16, 2024</b>	

### 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



<b>Version: v1.5.0</b>	<b>Build: Build22060217</b>
<b>Release Date: Jun 30, 2022</b>	

### **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



<b>Version: v1.4.0</b>	<b>Build: Build21110917</b>
<b>Release Date: Dec 02, 2021</b>	

### **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



<b>Version: v1.3</b>	<b>Build: Build21030416</b>
<b>Release Date: Apr 16, 2021</b>	

### **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



<b>Version: v1.2.0</b>	<b>Build: Build19100916</b>
<b>Release Date: Oct 31, 2019</b>	

### **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



<b>Version: v1.1.0</b>	<b>Build: Build19043017</b>
<b>Release Date: Jun 05, 2019</b>	

### **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



<b>Version: v1.0</b>	<b>Build: Build18112118</b>
<b>Release Date: Nov 28, 2018</b>	

**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