



## ThingsPro v2.5.0 installation file Release Notes

<b>Version: v2.5.0</b>	<b>Build: Build 18112901</b>
<b>Release Date: Nov 29, 2018</b>	

### Applicable Products

N/A

### Supported Operating Systems

Moxa Industrial Linux (Debian 9)

### New Features

- Support Fail2ban—an intrusion prevention software framework that protects against brute-force logins to the SSH server.
- Support dual SIM for specific models with multiple SIM-card slots.
- Support NE CLI command, mx-tp-ctl to enable/disable ThingsPro.
- Support data upload to Aliyun (Alibaba Cloud).
- Support DHCP server maximum lease time of up to 30 days.
- Support an API token to extend the expiration date for up to 7 days.
- Support user-defined IP routing rules.
- ThingsPro Gateway is run on Linux Kernel 4.4 and Debian 9.
- Additional devices supported: UC-2104-LX, UC-3101-T-US-LX, UC-3101-T-EU-LX, UC-3101-T-AU-LX, UC-5112-LX, and UC-5112-T-LX.

### Enhancements

- Installation process no longer requires model name.
- Automatically scan available storage paths for cloud apps.
- The maximum length of the tag name has been increased to 128 bytes.
- The maximum numbers of tags per equipment has been increased to 1024.
- Azure IoT SDK upgraded to version 2018-07-11.
- Mosquitto version upgraded to 1.4.15-0mosquitto4.
- Web UI enhancements.

### Bugs Fixed

- Error displaying bytearrays in Modbus.
- Connection retry if tag polling fails.
- Remove legacy configuration files mxmodbusmaster.init and mxmodbusgateway.init.
- Too many events logged in the syslog file
- Error: mantis (0000015) write coil fail.
- Modbus slave crashes if tag polling fails.
- Remove valid MAC check because it is not necessary.
- CoAP is not one of options available when uploading data to Azure IoT.
- Date and time of exported configuration and log files remain the same as the first time.

### Changes

N/A

### Notes

N/A