

ThingsPro Gateway Quick Installation Guide

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Overview

Moxa's ThingsPro Gateway is a software package designed specifically for your Industrial IoT (IIoT) applications. With ThingsPro Gateway, you do not need comprehensive Modbus or MQTT knowledge to run your IIoT. In just a few steps, you can easily configure and manage remote Modbus/RTU and Modbus/TCP devices for data acquisition, use MQTT communication between Moxa's IIoT gateway and your cloud database or applications, and enable wireless connectivity, especially LTE communication in your devices.

Model Names and Package Checklist

The ThingsPro Gateway package includes the following items:

- ThingsPro Gateway installation SD card
- Quick installation guide (printed)
- Warranty card

Installing ThingsPro Gateway on Eligible Devices

Use the ThingsPro Gateway Installation SD Card to carry out the following instructions.

NOTE Refer to the ThingsPro datasheet or product page on the Moxa website for a list of eligible devices.

1. Log in to the eligible device.

```
#####
###      ###      #####      #####      #####      ##
###      #####      ###      ###      ###      ###
###      ###      ###      ###      ###      ##
###      #####      ##      ##      ##      #
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For further information check:
http://www.moxa.com/

Last login: Mon Jan 29 15:51:39 2018 from 10.144.33.114
You are using Moxa embedded computer.
Please change the default password in consideration of higher security level or disable the default user, moxa.
moxa@moxa:~$
```

2. Insert the ThingsPro Gateway Installation SD Card in the SD card slot of the eligible device. For instructions on installing the SD Card in the SD-card slot of your device, refer to the quick installation guide or the hardware user's manual for the device.
3. Switch the working directory to the SD Card where the installation files are located.

```
moxa@moxa:~$ ls -al
total 165236
drwxr-xr-x 2 moxa moxa      4096 Jan 29 16:31 .
drwxr-xr-x 4 root root      4096 Jan 29 16:31 ..
-rwxr-xr-x 1 root root        522 Jan 26 00:54 install.sh
-rwxr-xr-x 1 root root 169185130 Jan 26 00:54 thingspro_amd64_20180125-173533.frm
```

4. Type the command below that matches the model name of the eligible device you are installing.

```
moxa@moxa:~$ sudo bash install.sh uc8100-mxcloud-cg
moxa@moxa:~$ sudo bash install.sh uc8100me-mxcloud-cg
moxa@moxa:~$ sudo bash install.sh mc1121-mxcloud-cg
```

5. Type the following command to check the installation log.

```
moxa@moxa:~$ sudo tail -f /var/log/thingspro-install.log
```

6. To upgrade ThingsPro from v2.1 to v2.3, use the ThingsPro Gateway or Server "firmware upgrade" function or type the following command in the console.

```
moxa@moxa:~$ sudo sys-upgrade thingspro_amd64_20180125-173533.frm
```

7. Type the following command to check the upgrade log.

```
moxa@moxa:~$ sudo tail -f /var/log/upgrade.log
```

For the UC-8112-LX and UC-8112-ME-T-LX, the diagnostic and signal-strength LEDs indicate the status of the installation process as listed in the table below:

LED Indicators	Status	Definition
Diagnostic and Signal Strength	Constantly on	Installation is in progress
	Blinking	Installation successful
Signal Strength	Blinking	Error in the installation files
Diagnostic	Blinking	Installation failure

Both the diagnostic and signal strength LEDs will blink continuously to indicate a successful installation.



WARNING

DO NOT power off the computer during the installation process because doing so may lead to firmware corruption.

8. The eligible device will restart twice during the installation procedure.

To confirm that your eligible device is ThingsPro-ready, connect a PC/laptop computer to LAN port 2 of the eligible device and use the PC/laptop computer to access the address, <http://192.168.4.127>. If the following ThingsPro home page is displayed, the installation is successful.



Your eligible device computer is now ThingsPro-enabled!