

**Software Name:** ThingsPro v2.5.0 installation file

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
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v2.5.0	Build 18112901	Moxa_Industrial_Linux_Debian_9	N/A	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>1. Support Fail2ban—an intrusion prevention software framework that protects against brute-force logins to the SSH server.</li> <li>2. Support dual SIM for specific models with multiple SIM-card slots.</li> <li>3. Support NE CLI command, mx-tp-ctl to enable/disable ThingsPro.</li> <li>4. Support data upload to Aliyun (Alibaba Cloud).</li> <li>5. Support DHCP server maximum lease time of up to 30 days.</li> <li>6. Support an API token to extend the expiration date for up to 7 days.</li> <li>7. Support user-defined IP routing rules.</li> <li>8. ThingsPro Gateway is run on Linux Kernel 4.4 and Debian 9.</li> <li>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.</li> </ol> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>1. Installation process no longer requires model name.</li> <li>2. Automatically scan available storage paths for cloud apps.</li> <li>3. The maximum length of the tag name has been increased to 128 bytes.</li> <li>4. The maximum numbers of tags per equipment has been increased to 1024.</li> <li>5. Azure IoT SDK upgraded to version 2018-07-11.</li> <li>6. Mosquitto version upgraded to 1.4.15-0mosquitto4.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>1. Error displaying bytearrays in Modbus.</li> <li>2. Connection retry if tag polling fails.</li> <li>3. Remove legacy configuration files mxmodbusmaster.init and mxmodbusgateway.init.</li> <li>4. Too many events logged in the syslog file</li> <li>5. Error: mantis (0000015) write coil fail.</li> <li>6. Modbus slave crashes if tag polling fails.</li> <li>7. Remove valid MAC check because it is not necessary.</li> <li>8. CoAP is not one of options available when uploading data to Azure IoT.</li> <li>9. Date and time of exported configuration and log files remain the same as the first time.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A

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				7. Web UI enhancements.		