IIoT Gateway Starter Kit

Moxa's Arm-based industrial computers preinstalled with ThingsPro data-acquisition software

Features and Benefits

- Ready-to-deploy UC-8112-LX edge computer with ThingsPro Gateway software preinstalled

- Easy-to-use web UI for Modbus DAQ, MQTT connectivity, and wireless communication for efficient edge-to-core data transformation

- RESTful APIs and Modbus APIs for implementing all ThingsPro Gateway software functions

- LTE-ready computer with Verizon/AT&T certification and industrial-grade CE/FCC/UL certifications

- Open platform design that supports the Linux kernel 4.1 with Debian 8

Certifications

CE FC cULus LISTED

ThingsPro Gateway Software

Moxa's ThingsPro Gateway is a groundbreaking software package designed for Industrial Internet of Things (IIoT) applications. It bridges the gap between IT (Information Technology) and OT (Operational Technology) by offering an easy-to-use web UI for Modbus data acquisition, LTE connectivity, and MQTT communications. With ThingsPro Gateway, you can focus on software application development for your IIoT business. ThingsPro Gateway supports a number of useful software functions and provides a Modbus API and RESTful API for future software integration and enhancement.

More information: https://www.moxa.com/doc/specs/ThingsPro_Gateway.pdf

UC-8112-LX Edge Computer

The UC-8112-LX industrial-grade Arm-based edge computer may be tiny, but it has everything you need for field-site deployment. It packs a 1 GHz Arm processor, 512 MB RAM, two LAN ports, and two serial ports into a compact, rugged, palm-sized box. It also supports a wide range of wireless accessories to add LTE or Wi-Fi connectivity, if needed. Following the industry trend of implementing distributed-grid and smart-manufacturing designs, industrial-grade computers add essential field-site intelligence for RMAC (Remote Monitoring And Control), Intelligent Data Logger, Software-based RTU, and Protocol Converter applications. The UC-8112-LX's open platform design supports Debian 8, and the Linux kernel is based on Moxa's SLTS (Superior Long Term Support) Linux kernel v4.x to ensure that your software assets will be useful for longer than would otherwise be possible.

More information: https://www.moxa.com/doc/specs/UC-8112-LX.pdf

Specifications

Package Contents

Device	1 x UC-8112-LX computer
Software	1 x ThingsPro Gateway: ThingsPro-GW software package (preinstalled on the UC-8112-LX)
Cable	1 x console cable 1 x power jack 1 x power adapter
Documentation	1 x quick installation guide 1 x warranty card

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Ordering Information

Model Name	Description	Note
UC-8112-LX-STK	UC-8112-LX edge computer development kit with ThingsPro Gateway software (ThingsPro-GW) preinstalled	Maximum of two orders per account