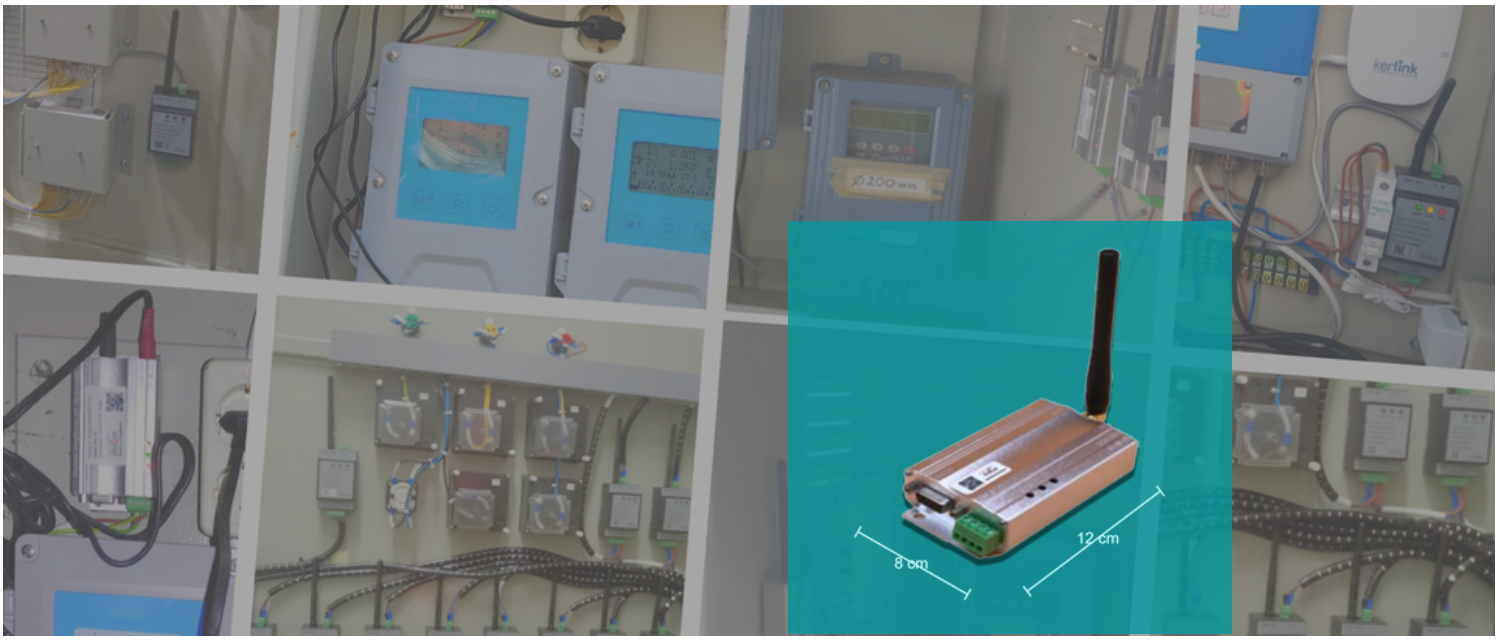
PT IoT Kreasi Indonesia



Remote Reading

With the remote read function, user can immediately access real-time data, which improves convenience, safety and saves labor costs.

Remote Config

The ability to remotely adjust settings, parameters, and behaviors of these devices without requiring physical access to them. This reduces maintenance costs and minimizes downtime.

KOMINFO CERTIFIED

LORA BRIDGE RTU

TRANSMITTER

RTU (Remote Terminal Unit) It is a device commonly used for control systems to monitor and control remote equipment and processes. An RTU collects data from sensors, transmits it to a central control system, and receives instructions to control connected devices with Modbus RTU RS-485 output.

Sensor implementations:

ENERGY METER | DIGITAL FLOWMETER | WATER LEVEL | WATER QUALITY | HVAC

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LORA BRIDGE RTU RS-485

The Modbus-LoRaWAN bridge presents a cost-effective solution for transforming traditional wired Modbus devices into wireless LoRaWAN nodes. It empowers the ability to read and write any register of the connected Modbus device via LoRaWAN. The configuration of Modbus register mapping on the Modbus-LoRaWAN bridge device can be easily managed remotely from our LoRaWAN server through downlink commands.

Users can take advantage of the BusyBox Mobile App, available on the Apple Store and Google Store, to conveniently configure the device for various Modbus devices in the field.
Moreover, the Modbus-LoRaWAN bridge device offers an optional built-in Bluetooth feature for on-field configuration.

It contains the following feature and benefits :

- The System on Chip (SoC) integrating ARM Cortex-M4 core is capable to realize complex algorithms and functions to meet the needs of different Internet of Things applications,
- DIN Rail Installation has the advantages of easily installation, strong flexibility, safety and reliability, low maintenance cost and strong adaptability.
- Another alerting system can be develope.

Electrical Parameters

PARAMETERS	LORA BRIDGE RTU
Power supply	85V ~ 240V AC
Standby current	≤4mA
TX Current	126mA @22dBm
MCU	Arm 32-bit Cortex-M4
Memories	256KB Flash; 64KB RAM

Bluetooth Parameters

PARAMETERS	LORA BRIDGE RTU
Frequency	2.4 GHz
RX Sensitivity	-95 dBm
TX Power	-15 dBm ~ 7dBm
Communication range	28 m

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LoRaWAN Parameters

PARAMETERS	LORA BRIDGE RTU
LoRaWAN class	Class A/Class C
ISM band	AS923, AU915, EU868
TX Power	Up to 22 dBm
RX Sensitivity	Down to -134 dBm
Channels	8 settable channels with bandwidth of 125kHz
Spreading factor	SF7 ~ SF10 (adaptive)
LBT (Listen Before Talk)	Yes
Number of data cached when wireless network interrupted	10

INSTALLATIONS

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