



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.

Direct Cellular Connectivity



4G LTE Cat-1 provides reliable wide-area connectivity using existing cellular infrastructure, enabling data transmission without the need for local network deployment.

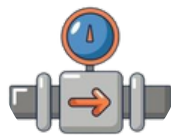
CELLULAR RTU RS485 LTE CAT-1

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



Rukan Great Wall, Blok B No. 62-63, Jl. Green Lake City Boulevard, Kec. Cipondoh, Kota Tangerang, Banten 15146



+62 813 9999 1485



iki@weiotics.io

<https://weiotics.io/>



IOT
KREASI
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CELLULAR RTU RS485



This cellular IoT device is designed to collect and transmit data from field equipment with minimal setup. Using LTE connectivity, it enables near real-time monitoring through configurable data intervals and operates independently from local wireless infrastructure, making it suitable for locations without Wi-Fi or where network deployment is not practical.

Built for deployment in Indonesia, the device is compatible with local cellular networks and is typically used with data SIM cards suitable for IoT deployments to ensure stable and compliant connectivity.

The device supports multiple interfaces including digital inputs, analog inputs, and RS-485 communication, making it easy to connect with meters, sensors, and other existing devices. For continuous operation, it relies on a stable external power source to ensure consistent data transmission for monitoring applications.

Product Specifications

PARAMETERS	CELLULAR RTU RS485
Power supply	6V ~ 35V DC
Power Consumption	200 ~ 300 mA @ 12V
Connectivity	LTE Cat-1, Compatible with Indonesian LTE networks
MCU	ARM 32-bit Cortex-M4
Antenna Interface	1 × SMA Connector 50Ω (Center Pin : SMA Female)
SIM Slot	1 (Mini SIM-2FF)

Additional Parameters

PARAMETERS	CELLULAR RTU RS485
Uplink Rate	Up to 5 Mbps
Downlink Rate	Up to 10 Mbps
Interfaces	RS485 / RS232
Analog input	2-channel, 12-bit (0-5V, 0-10V, 0-20mA, 4-20mA)

