

PIKA Pro- LTE Modbus Specifications

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Overview

IoT device PIKA is an easy and intelligent device dedicated to collecting data from on-site Modbus RTU / Modbus TCP devices, and transmitting them to the user platform via LTE. The PIKA device can read up to 200 Modbus register addresses on the chain of 8 Modbus devices with the same configuration. Data transmitted is encrypted using the AES128 algorithm, ensuring privacy and integrity. In addition, the feature supports importing and exporting Modbus registers files to CSV format, allowing users to easily manage effectively.

Specifications

Category

Specification

Wireless Transmission

LTE Cat 1 (FDD 1/3/5/8; TDD 34/38/39/40/41)
Uplink: 5Mbps / Downlink: 10Mbps
Protocol: TCP/IP
Encryption: AES128

Modbus Interface

Modbus RTU (Waterproof connector, 1200–115200bps)
Modbus TCP/IP (RJ45, optional)

Data Configuration

Port: Type-C
Tool: WNE PC Tool Software

Physical Characteristics

Power: 6–24VDC (<8W)
Connector: Waterproof
Material: UV-resistant ASA, White
Ingress Protection: IP67
Operating Temp: -20°C~60°C
Humidity: 0–95% RH
Dimensions: 150×100×55 mm
Installation: Wall mounting

Others

SIM: NanoSIM Internal
Reset Button: Internal

Software Features

- [Status Tab](#) – Display device status information.
- [LTE Setting](#) – Configure APN, AES128 Key, Server, and Port.
- [Modbus Setting](#) – Configure Modbus RTU/TCP parameters, register tables, CSV import/export, connection test.
- [Pulse Setting](#) – For pulse counter option.
- [Pressure Setting](#) – For pressure sensor option.
- [Basic Setting](#) – Configure Device ID, reporting interval, and password.
- [Serial Log](#) – Enable/disable serial port logging.

Package Inclusions

1. 1 pc PIKA device
2. 1 pc 12V/2A Power Adapter (optional)
3. 1 pc LTE Antenna
4. 1 Type-C USB cable
5. 2 pcs Waterproof connector



Documentation

PIKA User Manual