

DODO LOGGER - Industrial IoT Data Logger

Model No. : DL-X4 , V2 . PRO

Datasheet



**MADE IN
TÜRKİYE**

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Product Overview

DODO LOGGER is an industrial IoT data-logging device designed for reliable sensor acquisition, local storage, and cloud-based monitoring. It supports web-based configuration, SD card data logging, and secure data transmission to the DODOTiK platform using Wi-Fi, LoRaWAN, or 4G LTE, with fully configurable collection and upload intervals. Communication protocols include MQTT and HTTPS.

Key Features

- Web-based configuration via built-in web page
- Full integration with DODOTiK platform
- Real-time monitoring and historical data logging
- Configurable sampling and cloud upload intervals
- Local SD card backup logging
- Modular wireless communication (user-selectable)
- Industrial sensor interfaces: RS485 (Modbus RTU), 4–20 mA
- Secure communication via MQTT and HTTPS
- Wide-range industrial power input
- Status and communication LEDs

Communication Protocols

Protocol	Description
MQTT	Lightweight publish/subscribe messaging for real-time IoT data
HTTPS	Secure REST-based data transfer to cloud and dashboard

Web-Based Configuration

Configuration is performed through an embedded web interface.

► Configurable Parameters

- Device ID and device name
- Communication interface (Wi-Fi / LoRaWAN / 4G LTE)
- Protocol selection (MQTT / HTTPS)
- Network credentials
- Sensor interface selection (RS485 / 4–20 mA)
- Modbus parameters
- 4–20 mA scaling
- Sampling interval
- Cloud upload interval
- SD card logging settings
- Time synchronization

Wireless Communication (Selectable Modules)

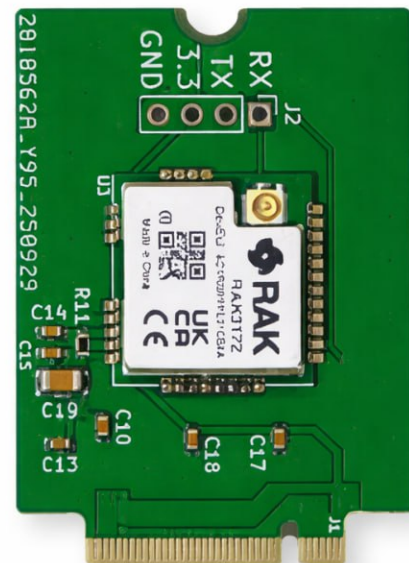
4G LTE Module (Internal Card)

- Module: SIMCom A7670G
- Category: LTE Cat-1
- Fallback: 2G GSM
- SIM: Nano-SIM
- Antenna: External



LoRaWAN Module (Internal Card)

- Chipset: RAK3172
- SoC: STM32WLE5
- LoRaWAN: Class A / B / C
- TX Power: up to +22 dBm
- Frequency: Region-dependent
- Antenna: External



Wi-Fi

- Local network connection
- Used for configuration and cloud data transmission

Sensor Interfaces

Interface	Description
RS485	Modbus RTU industrial sensors
4–20 mA	Industrial analog sensors

Data Handling

- Periodic sensor sampling
- SD card local logging
- Cloud data upload using MQTT or HTTPS
- Offline buffering and later synchronization

DODOTiK Platform Support

- Real-time monitoring
- Historical data logging
- Interactive line charts
- Multi-device dashboards
- Data export in CSV / Excel



WWW.DODOTIK.COM