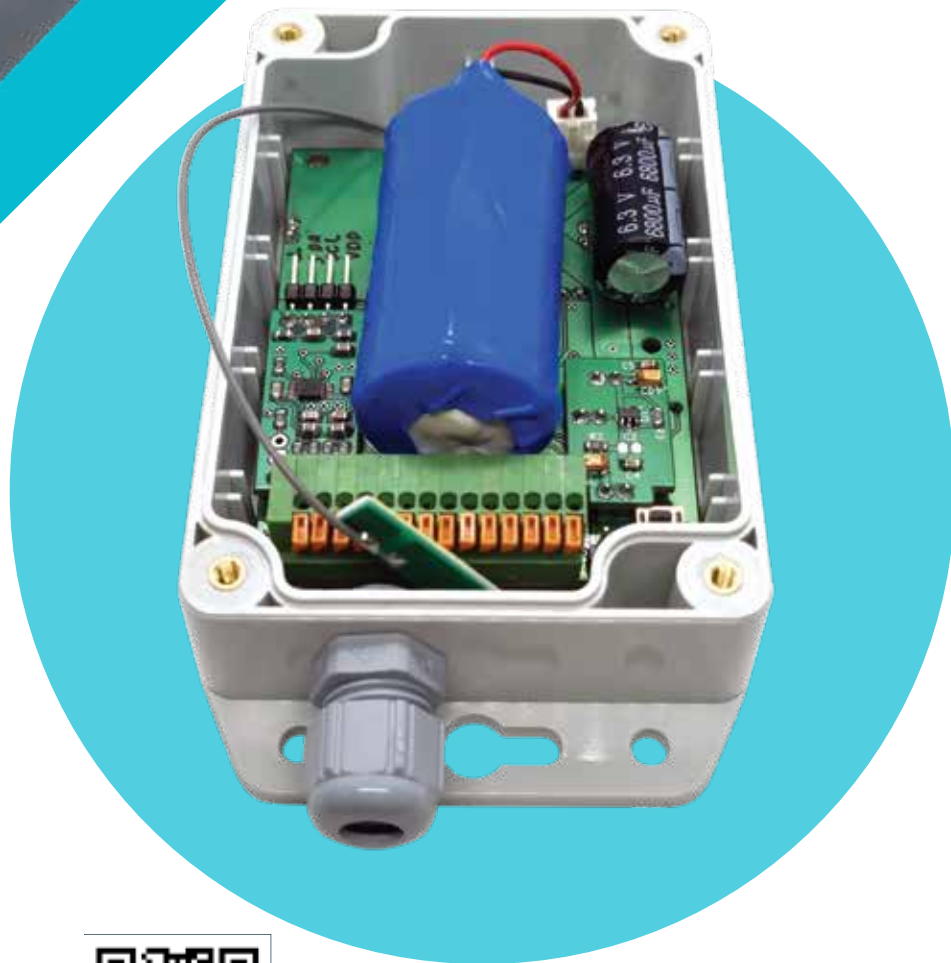# THINGSLOG

Low Power Mobile Data Loggers LPMDL-110X

Multichannel data loggers with 2/4G,

LoRa or NB-IoT network communication.

Mobile Data Logger
LPMDL-110X

Applicable for

» **Consumption monitoring of water, electrical and heating energy**
» **Industrial measurements of temperature, humidity, level, pressure**
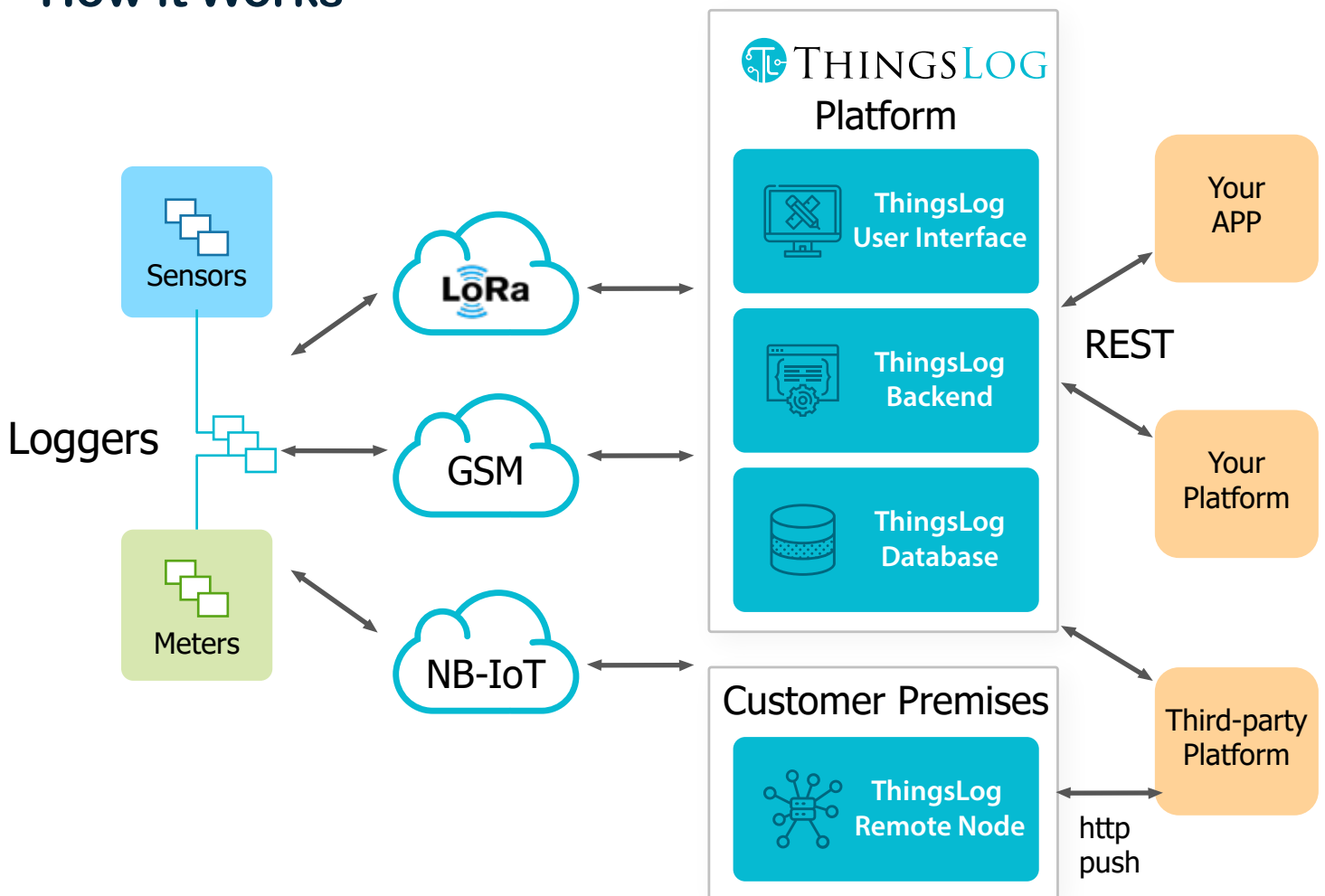» **Environment meteo monitoring of rain, snow, wind in external harsh conditions**

Features

✓ Global support for 2G, LoRa, NB-IoT and 4G frequencies

✓ 4 analog inputs with 4-20mA or 0-4.5V

✓ 2 ON/OFF inputs or outputs

✓ 2 pulse metering inputs

✓ i2c bus port

✓ 16 bit ADC (precession 0.01%)

✓ Battery life 5-10 yeas, up to 20000 transmissions

✓ 1x3.6 V A size Lithium battery (included), C size optional

✓ Replacable batteries: 2x2AA Lithium 1.5V, Lithium 3.6V size A or C

✓ Firmware update

✓ IP68 level of moisture and dust protection

✓ With or without EEPROM

✓ Configurable metering and transmission periods

✓ Over-the-Air reconfiguration

Logger certification

How it Works

THINGSLOG Platform

ThingsLog User Interface

ThingsLog Backend

ThingsLog Database

Sensors

LoRa

Loggers

GSM

Meters

NB-IoT

Your APP

REST

Your Platform

Customer Premises

ThingsLog Remote Node

Third-party Platform

http push

ThingsLog Platform

Remote monitoring of water, gas, electricity, level, pressure and many other

Consumption monitoring as a service

Data management of meter / sensor readings

Device management and configuration

Battery and signal level monitoring

Data visualisation and analysis

REST API interface for integration with other platforms

Alarms and notifications

User friendly UI and app

Self documented REST API interface:

https://iot.thingslog.com/swagger-ui.html

Additional Services Upon Request

**Initial
set-up**

**Professional
services**

**Third-party
systems integration**

Training

Device pre-provisioning

Mobile Data Logger
LPMDL-110X
Ordering Options

LPMDL-110X-YY-ZZ-FF-II-PP

X	**1** = GSM **2** = NB-IoT **3** = LoRa **4** = 4G	FF	**00** = without on/off ports **2I** = ON/OFF inputs **2O** = ON/OFF outputs **IO** = 1 on/off input and 1 on/off output
YY	**2P** = 2 reed switch pulse inputs **2S** = 2 S0 open collector pulse inputs **PR** = 1 reed 1 S0 pulse inputs	II	**00** = without i2c with custom i2c sensor extensions, logger firmware support HDC1080, CCS811, and others I2C sensors **01** = with temperature and humidity **11** = with custom …
ZZ	**00** = without analog input ports **4V** = 4 analog voltage inputs 0-4 V **2D** = 2 analog voltage inputs -4 + 4V **4C** = 4 analog current inputs 4-20mA	PP	**AA** = AA batteries **1C** = 1x 3.6 C sized lithium battery (for all but GSM) **1P** = with extra board for 12 V power supply

Examples

≫   2G data logger with 2 reed switch pulse inputs on AA batteries
LPMDL-1101-2P-00-00-AA

≫   NB-IoT data logger with 2 S0 and 4 analog 4-20mA input ports with 3.6V Lithium battery
LPMDL-1102-2S-4V-00-1C

Delivery terms

≫   **30 Days** for 100+ QTY

≫   **10 Working Days** for a Sample delivery

≫   **EXW**

ThingsLog Platform
Subscription

Subscription packages are reading based
A reading is one insert of the reading of the meter or sensor into the platform

Package Options

10k

10 thousands readings per year

100k

100 thousands readings per year

1M

1 million readings per year

10M

10 million readings per year

100M

100 million readings per year

Subscription packages count for all customer's data loggers, e.g one subscription package spans across many loggers

SUBSCRIBTION PACKAGE	NUMBER OF READINGS
10K	10 000
100K	100 000
1M	1 000 000
10M	10 000 000
100M	100 000 000

Deployment Options

≫ **Remote node** – ThingsLog configuration and device management, data is pushed to 3-rd party platforms

≫ ThingsLog on prem – ThingsLog end to end platform deployed in customer premises.

≫ ThingsLog hosted – ThingsLog instance hosted in our own cloud

≫ Ask for licensing and pricing

If you don't see your package don't hesitate to ask for a custom option on

✉ **sales@thingslog.com**

How to calculate ThingsLog cloud platform subscription

MONITORED DEVICES	READING INTERVAL	READINGS PER DEVICE	TOTAL READINGS	PROPER PACKAGE
100	15 minutes	4 readings per hour 96 readings per day 35 040 readings per year	3 504 000	Between 1M and 10M
100	1 hour	24 readings per day 8 760 readings per year	876 000	1M package

How to order

Step 1.

Choose the right data logger for your business case

Step 2.

Define your deployment option and/or subscription package

Step 3.

Send us a purchase order **sales@thingslog.com**