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Low Power Mobile Data Loggers LPMDL-110X

Multichannel data loggers with 2/4G, LoRa or NB-IoT network communication.



sales@thingslog.com

thingslog.com

(+359) 875 32 80 70

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

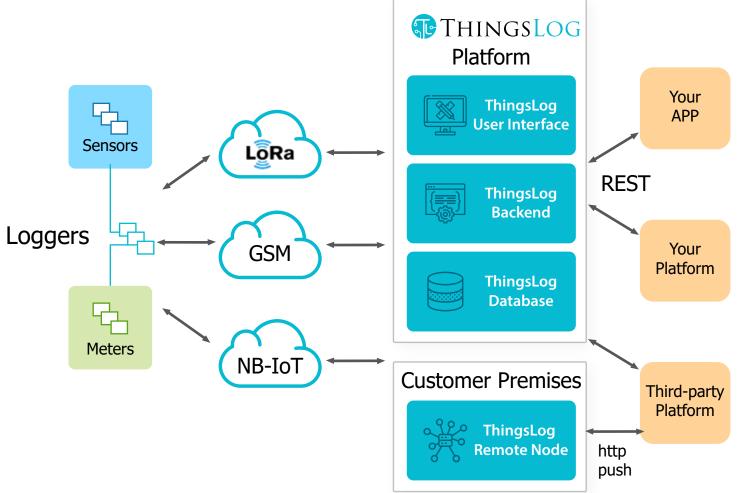
- ✓ Global support for 2G, LoRa, NB-IoT and 4G frequencies
- ✓ 4 analog inputs with 4-20mA or 0-4.5V
- 2 ON/OFF inputs or outputs
- 2 pulse metering inputs
- i2c bus port
- ✓ 16 bit ADC (precession 0.01%)
- Battery life 5-10 yeas, up to 20000 transmissions
- ✓ 1x3.6 V A size Lithium battery (included), 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

	tificate	
CE		19.635 / 25.62.2019 Transformers Labs Ltd. 21 Frederik Joliot Carbe Str., 1113 Sofia, Bulgaria
2024	Manufacturer: Address:	(Transformers Labs Ltd. 21 Frederik Joliot Carle Str., 1113 Sofia, Bulgaria
voduct rescription:	Low Power Mobile Da	ta Legger
Models:	LPMDL-1102	
Indemark: Applied	@THINGSLOG	
pecifications:		9+A12010+A122001+A2:2013+AC:2015 EN 301-908-1-V11.1-1:2016
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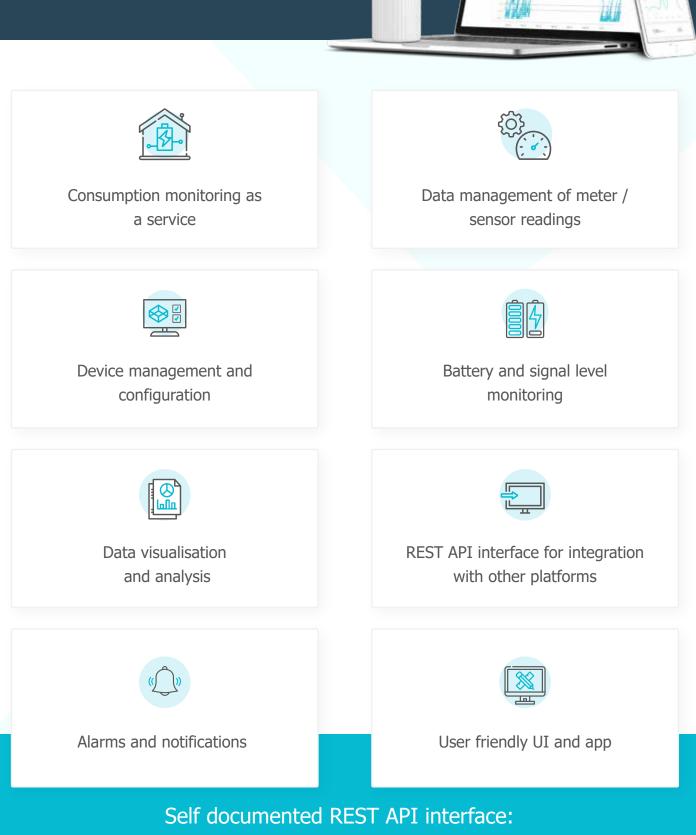
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How it Works



ThingsLog Platform

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



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

Additional Services Upon Request







Initial set-up Professional services

Third-party systems integration





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 	п	 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 	РР	 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



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

SUBSCRIBTION PACKAGE	NUMBER OF READINGS	
10К	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
- \gg ThingsLog on prem ThingsLog end to end platform deployed in customer premises.
- >> ThingsLog hosted ThingsLog instance hosted in our own cloud
- \gg 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