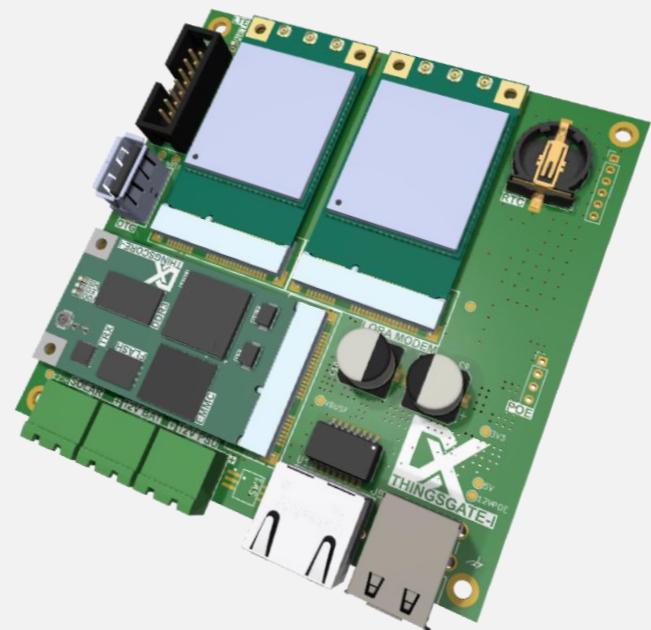
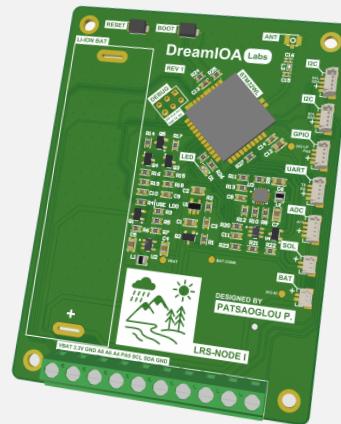
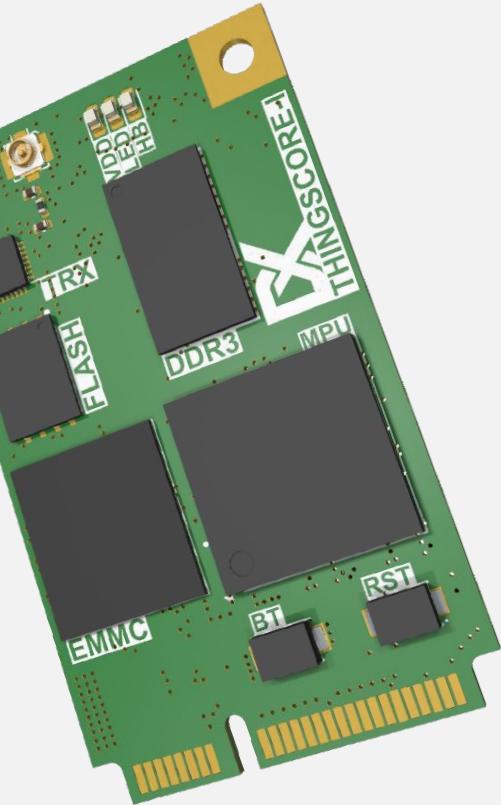


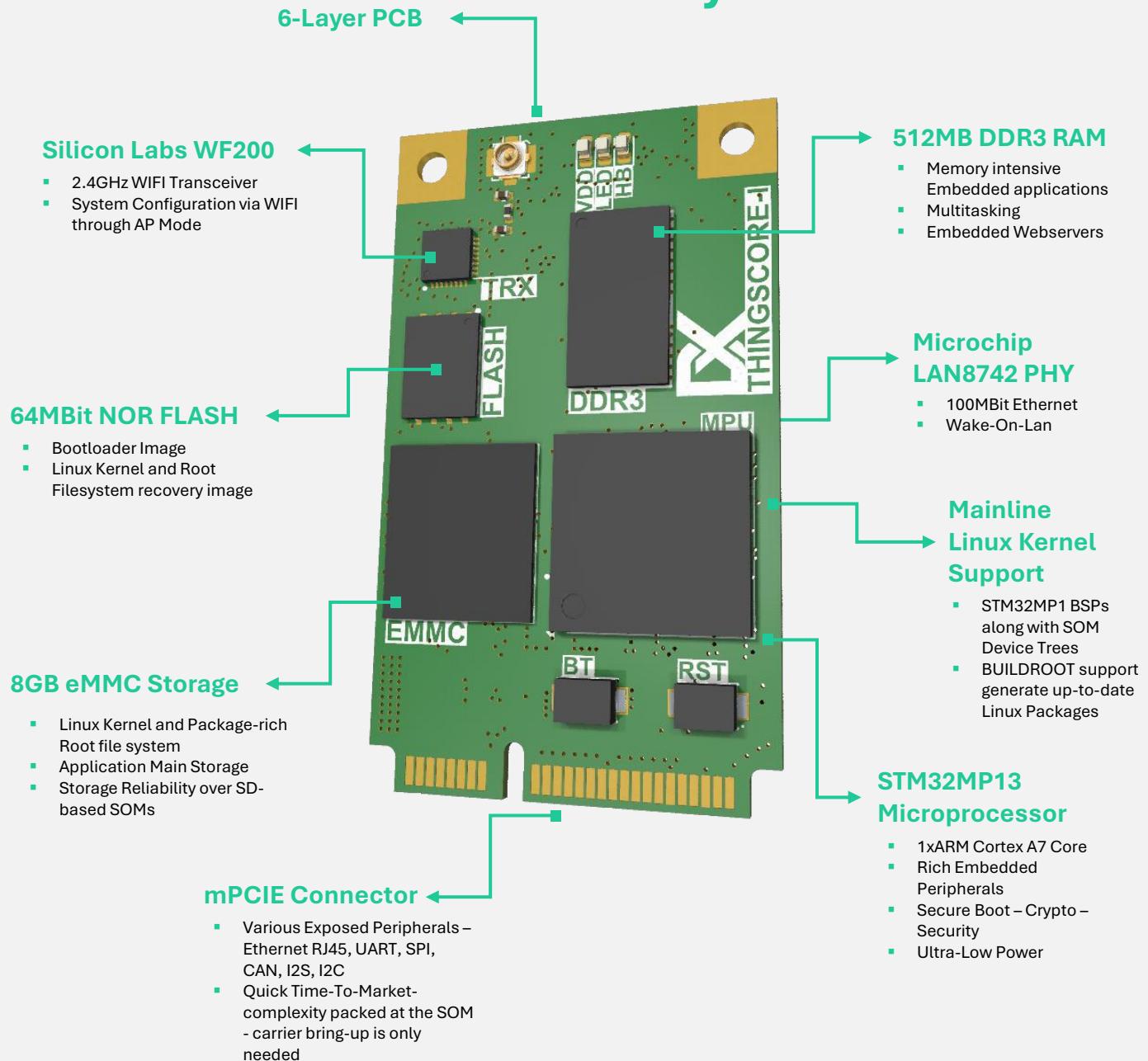
PROJECT URBANityXLabs

Proper infrastructure forms the foundation of smart cities and the Internet of Things, supporting innovation, sustainability and improved quality of life through connected and intelligent urban systems.



THINGScore 1

Linux Based System-On-Module



Applications:

- Industrial Automation
- IoT Gateways
- Low-Power Linux-Based Embedded Applications
- Smart Home

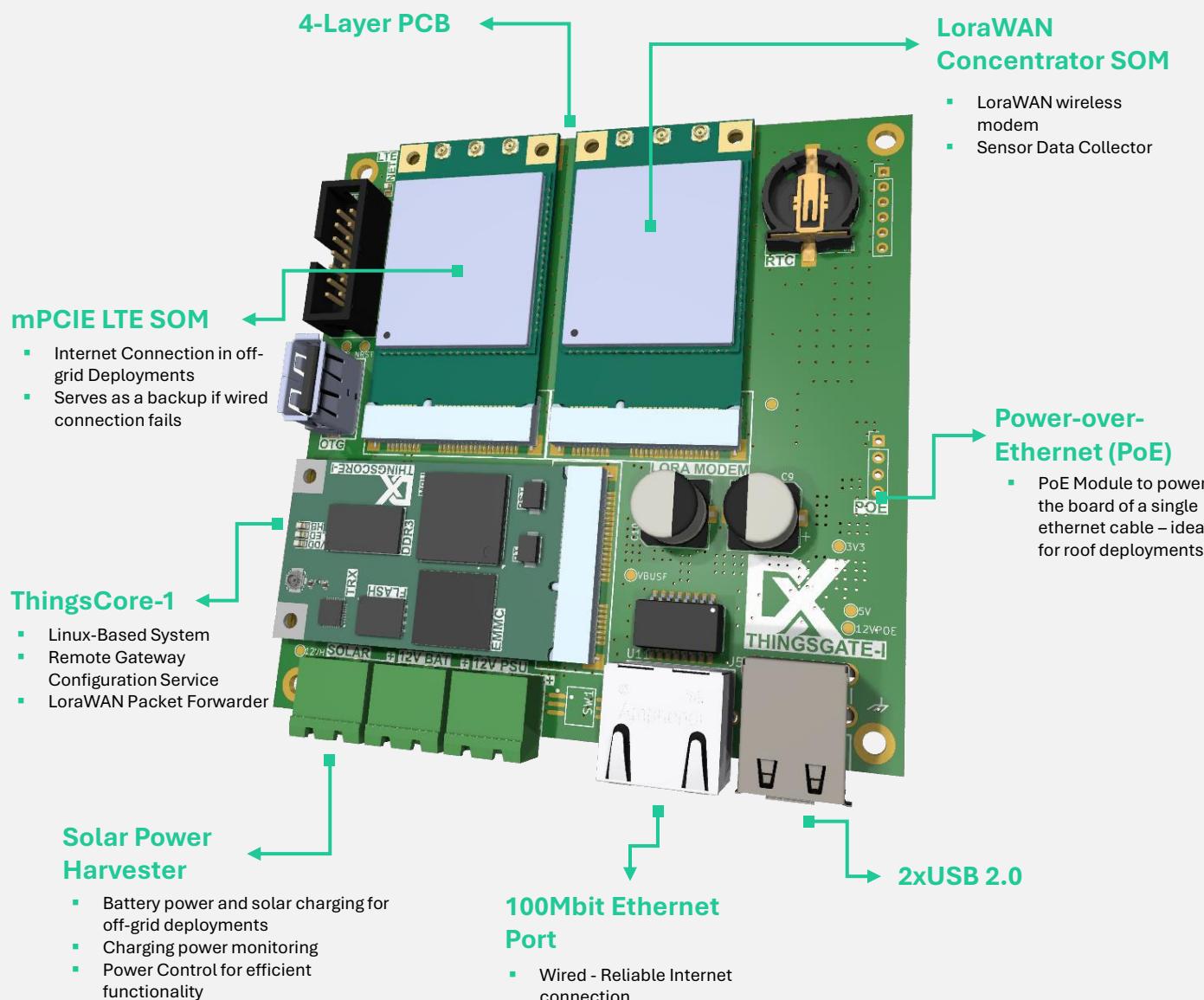
The **DREAMXLABS ThingsCore-1** System-On-Module offers a ready-to-use Low-Power Embedded Platform to kickstart your IoT Gateway, Industrial Automation and Low Power Linux-Based Application.

The mPCIe form factor and ready to use schematic and PCB libraries, offloads huge complexity and accelerates your product development.

THINGSGATE 1

LoraWAN

Gateway



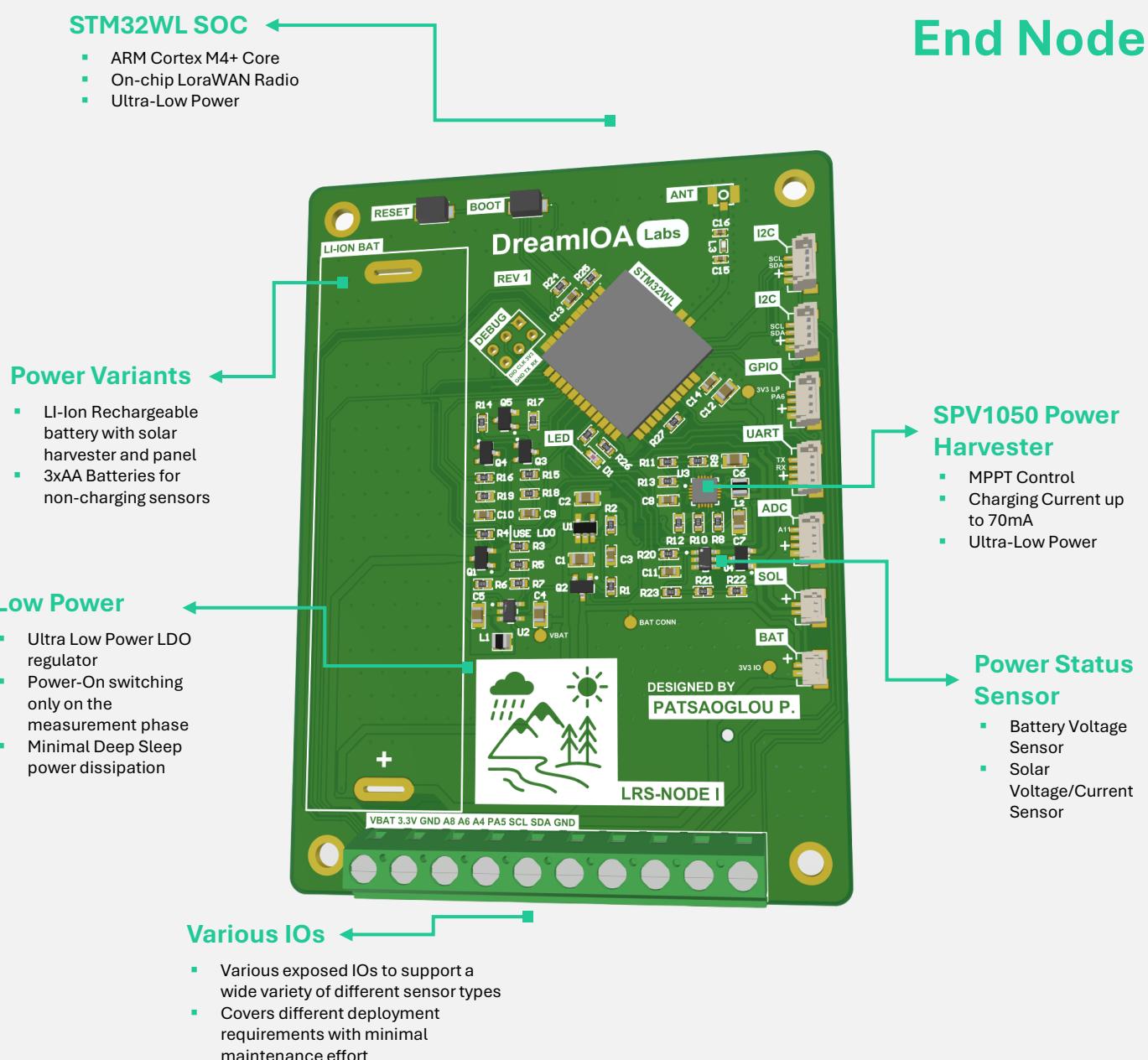
Applications:

- IoT Gateways
- Smart Cities
- Environmental Monitoring
- Industrial Automation
- Smart Home

The DREAMXLABS ThingsGate-1 Gateway motherboard serves as the middleman between deployed sensors and the cloud – enabling data collection.

The modular design enables efficient deployment and maintenance while fully packed functionality like PoE, Solar Harvesting and LTE Connectivity enables wide range, off-grid and 24/7 IoT network operation.

LRS NODE 1

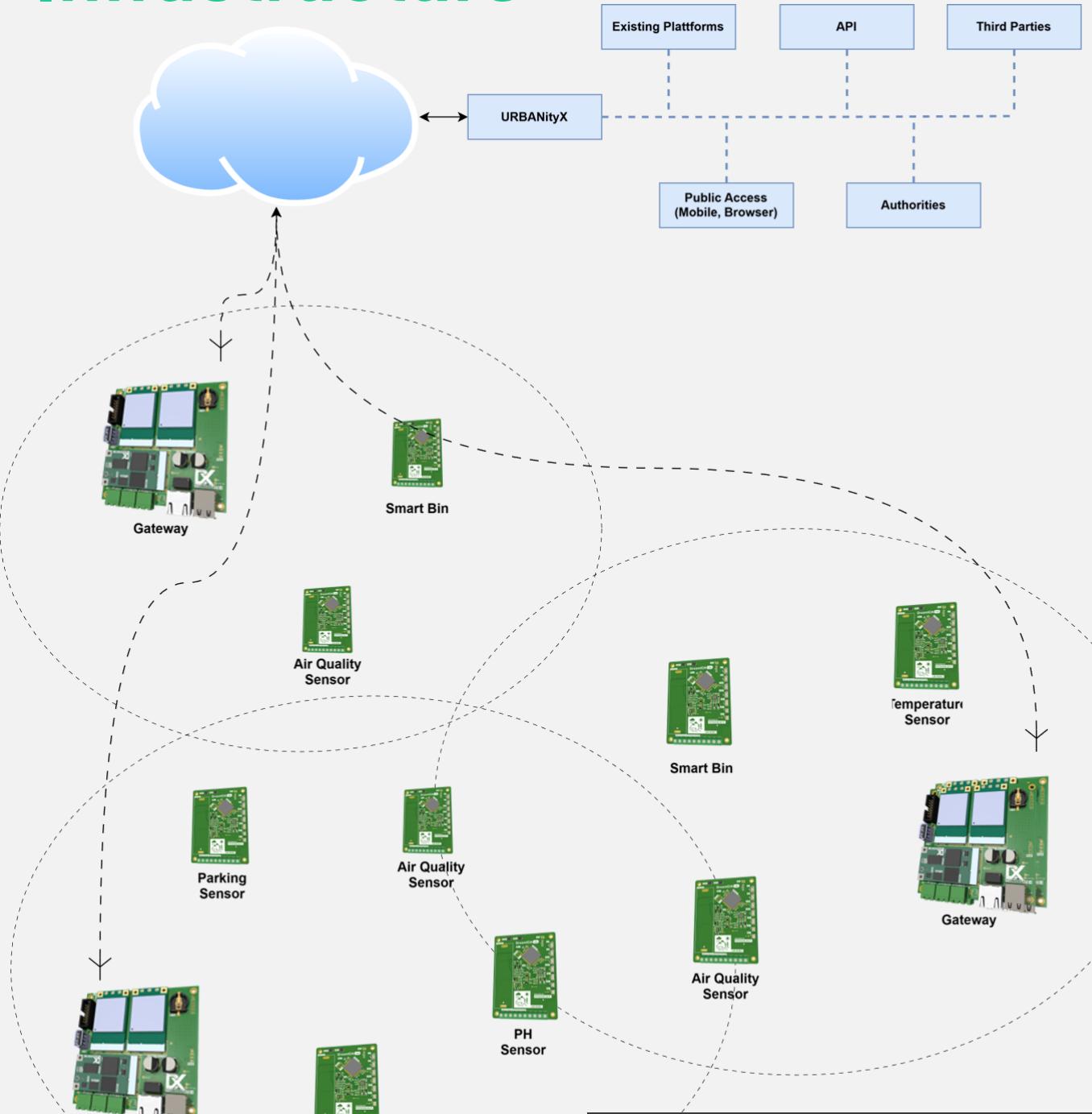
IoT Sensor
End Node**Applications:**

- Smart Parking
- Smart Metering
- Environmental Monitoring
- Smart Bins

The DREAMXLABS LRS Node 1 is a general purpose LoraWAN node that can be connected with PH-Meters, Temperature, Humidity, Pressure, Proximity, Strain gauges, air quality and accelerometer sensors achieving monitoring and smart city requirements. Designed using ultra-low power electronics, it can work for several years without intervention while solar harvesting extends battery life even more.

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Infrastructure



Services:

- Data availability
- Third party services for Citizens
- Intelligent City Management
- Smart Things

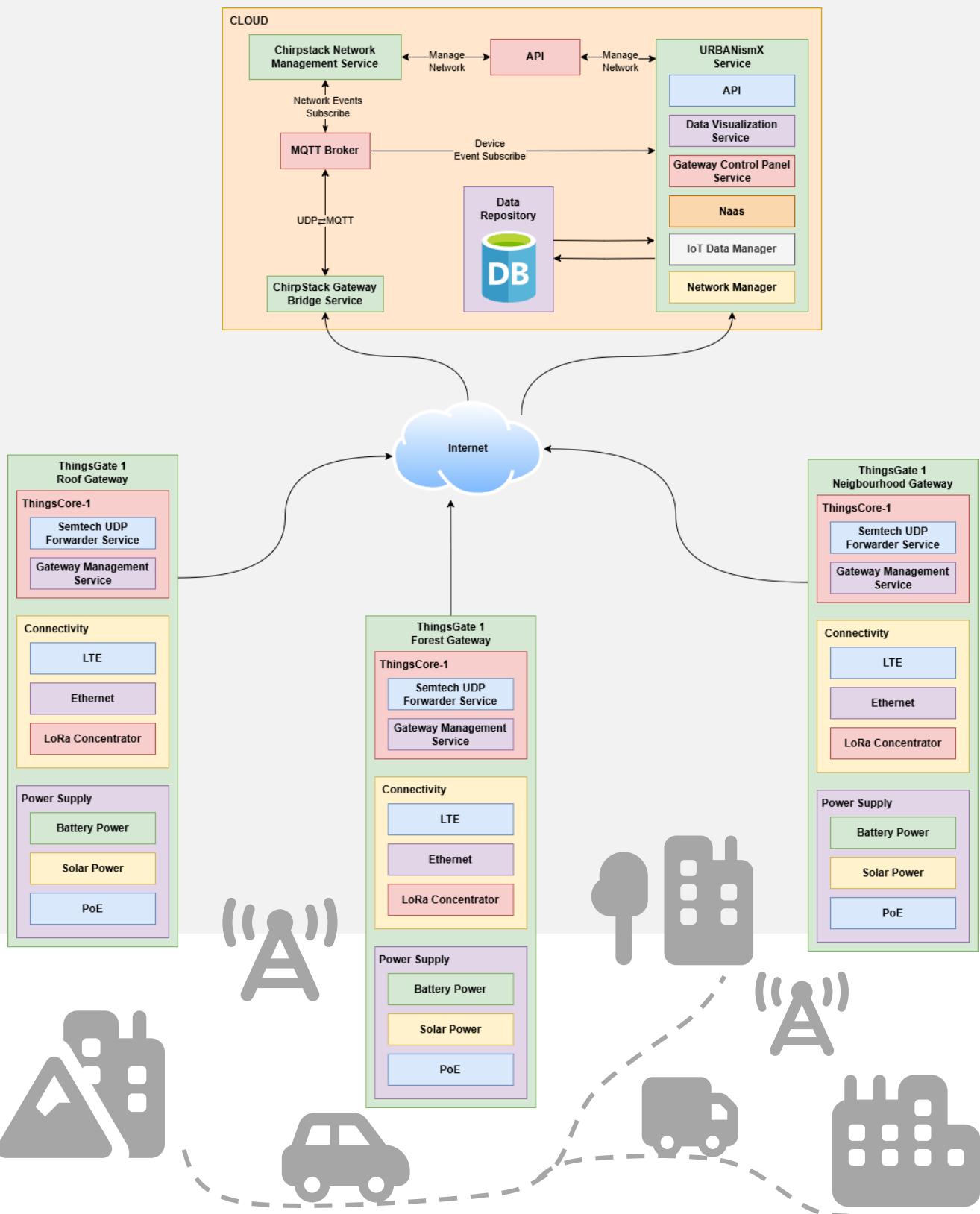
The DREAMXLABS URBANity platform offers an all-in-one solution for Internet of Things and next-generation intelligent cities.

Integrating advanced hardware, software and edge technologies, the system is formed to achieve robust connectivity, sustainability and efficiency for People and city management.



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Architecture



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Platforms

Live Parking — Ioannina

Available Spots: 46

Occupied: 456

Total Parking Sensors: 788

Last update: 02:14 PM

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Public Platforms:

- Data Visualization
- API for Third-Party Data usage
- Public Sensor Network Visualization
- Authority notification

Deployment Overview

Network View

Gateway Summary

Total Sensors: 429 Total Gateways: 18

Posts Per Hour: 1,244 Notifications: 4

Device List

Device ID	Name	Status	Last Seen	Location	Actions
g-2	Koukou-Litharhia	Online	1 min ago	39.6627, 20.8571	
g-6	Koura Frosini - Kastro	Not Active	3 Days ago	39.6627, 20.8571	

Private Platform:

- Network Status
- Deployment Health Monitoring
- Private Data Access
- API for third party access

Koukou-Litharhia Gateway

Gateway Location

Gateway Information

General Details		Input Voltage	Current Solar Power
Serial Number	DWL-101-PR9542	12.47 V	12.6 W
Model	DreamXLabs ThingsGate 1		
Location	Ioannina, Greece (39.66001, 20.85678)		
Uptime	152 day 4h 25m		

Input Voltage: 12.47 V Current Solar Power: 12.6 W

LTE RSSI: -43.2 dBm Internal Temperature: 41 C

Incoming Data

Device ID	Sensor Type	Message Type	Timestamp	Location
v-121	Parking Sensor	Update	11/08/2025 14:38:14	39.6627, 20.8571
v-121	Temperature Sensor	Update	11/08/2025 14:37:52	39.6627, 20.8471

Deployment Management:

- Gateway Registration
- Sensor Registration
- Project Grouping
- Remote physical infrastructure health and configuration



DreamXLabs

Hardware Development Services
We make your smart product concept a reality.