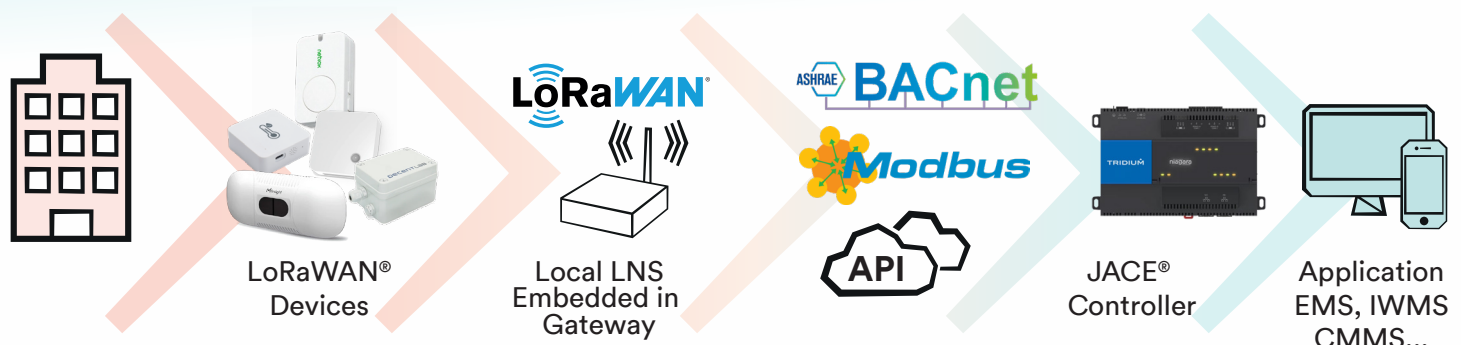


# Wireless and Scalable Building Management Systems with LoRaWAN®

LoRaWAN® delivers scalable, low-power connectivity for Building Management Systems, enabling easy sensor integration for smarter and more sustainable operations — whether for new buildings or retrofit projects.

## Seamless Integration with Niagara®

points to BACnet objects, no need for manual mapping configuration, leveraging ThingPark's rich set of LoRaWAN® drivers and ontology normalization feature.



## A Large Ecosystem of Smart Building Devices



ThingParkMarket

700+  
Devices Supported



## Key benefits

- Wireless: Install anywhere, no cabling
- Cost-Saving: Up to 60% lower install
- Plug-and-Play: auto-mapping
- Effortless Integration: No Extra Coding
- Smarter than Basic Integrations : two-way communication

## Open & Flexible Architecture

- Works natively with **Jace** & **Niagara Edge** devices
- LoRaWAN** devices supported
- Supports **Modbus**, **BACnet**, **REST**, **MQTT**
- Best-in-class devices from industry leaders: Milesight, Elsys.se, Netvox, Browan, Dragino, Adeunis, Decentlab, NKE, Watteco, Seeed, ...

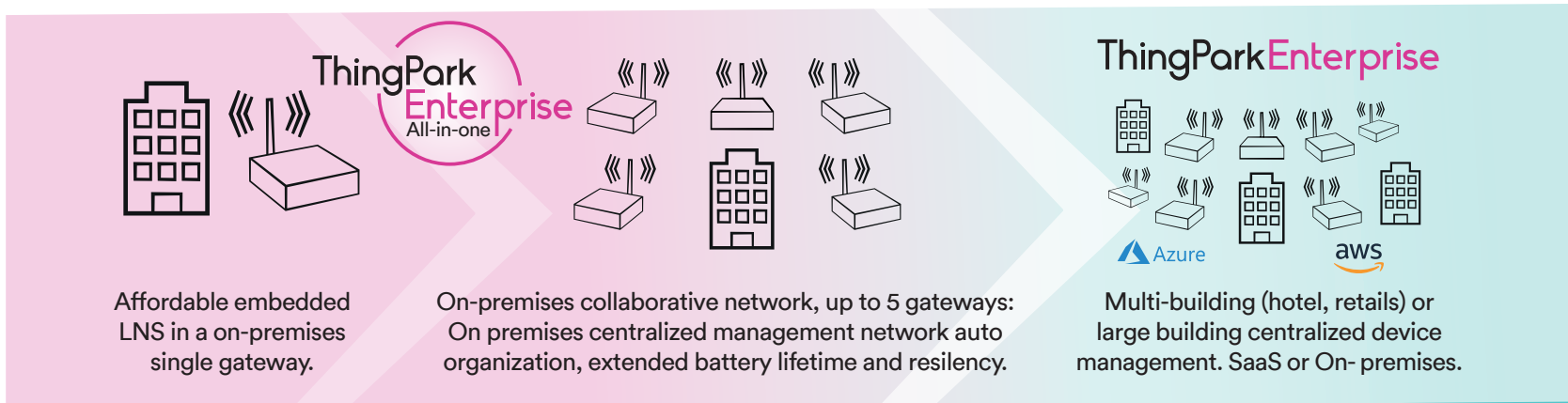


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# How ThingPark All-in-One integrates with Niagara®

## Scalable by Design

Seamless migration to a fully scalable solution on a live network (no need to restart devices). TPE All-in-One is easy to scale to a larger, future-proof network with full feature set of ThingPark Enterprise, bringing scalability, advanced centralized device management, cloud connectors, geolocation and high availability architecture.



## Supported indoor / outdoor Gateways

**Kerlink:**  
iFemtoCell,  
iFemtoCell Evolution



**Kerlink:**  
iStation



**kerlink**  
communication is everything

Cutting-Edge equipment from market leader Kerlink: Lifetime warranty, reliable indoor wireless coverage even in challenging environments, carrier-grade design, and outstanding radion performance with flexible backhaul via Ethernet, Wi-fi, or 4G

## Features

- Supports any LoRaWAN® device (class A/B/C, ABP/OTAA)
- Built-in catalog of channel plans for all the regional ISM bands, including country-specific regulations (EU868, US915, AS923-1/2/3/4, AU915, CN470, KR920, RU864 and IN865)
- State-of-the-art LoRaWAN® Network Server currently connecting over 5 million devices. State-of-the-art optimization of device's battery lifetime with the exclusive ThingPark ADR
- Native decoding of device payloads, for 700+ device models
- Bidirectional BACnet integration with fully automated mapping of LoRaWAN® sensor data into BACnet objects (customization is possible)
- Seamless integration with Modbus protocol, including low-touch mapping of device properties into Modbus registers
- Built-in MQTT server
- Intuitive user interface, available in multiple languages: English, French, German, Italian, Spanish and Japanese
- Low-touch device management: bulk provisioning, packet history analysis per device...
- Support roaming with other private or public LoRaWAN® networks (collaborative networks for coverage expansion)
- Node Red interface for flexible integration to application servers
- Low-touch disaster recovery plan in case of hardware failure, via simple backup/restore procedures
- Easy to install and upgrade, compatible with ThingPark's zero-touch Infrastructure Commissioning

Contact us by scanning this QR code ➡



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