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ThingParkEnterprise

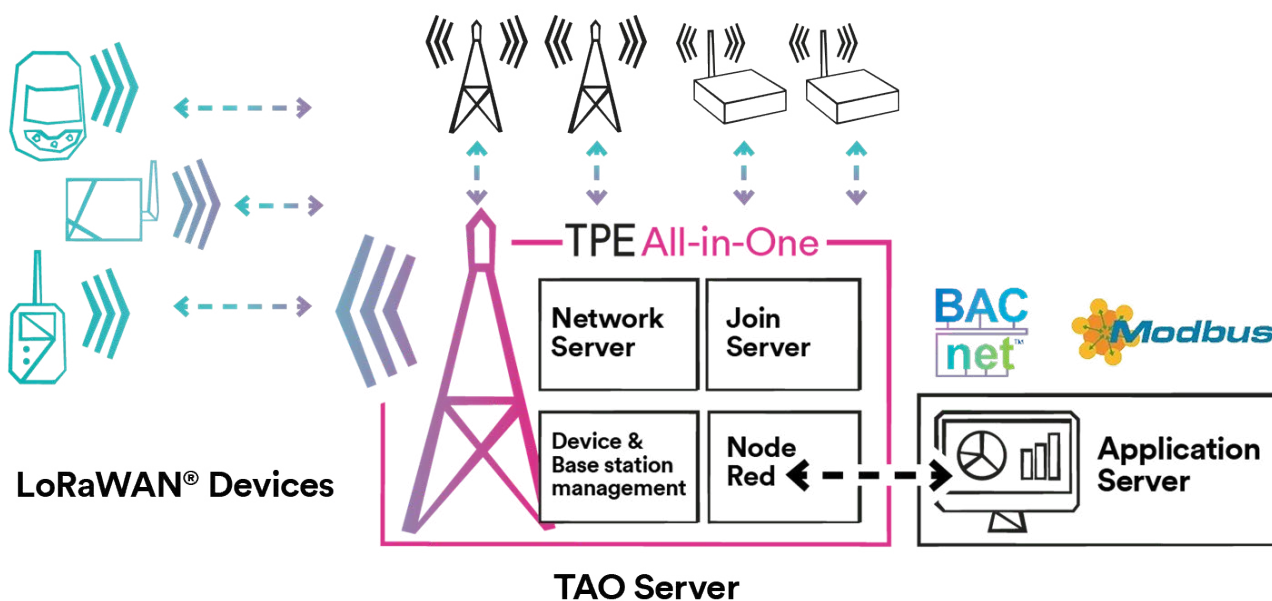
All-in-One



NIAGARA FORUM

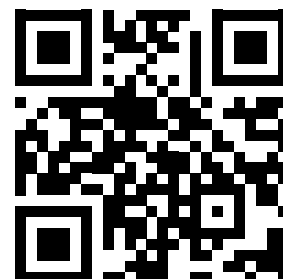
- ▶ **Autonomous multi-gateway LoRaWAN® private network**, with embedded Network Server and Join Server (no need for extra hardware), from the leader of LoRaWAN® industrial grade networks.
- ▶ **Capacity:** One master gateway (TAO server), up to 4 remote gateways and up to 200 devices.
- ▶ **Open drivers** for the whole LoRaWAN® ecosystem.
- ▶ **Off-the-shelf connectors for BACnet and Modbus protocols**, making the solution ideal for industrial and building automation use cases.

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



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.

Scan to download the leaflet



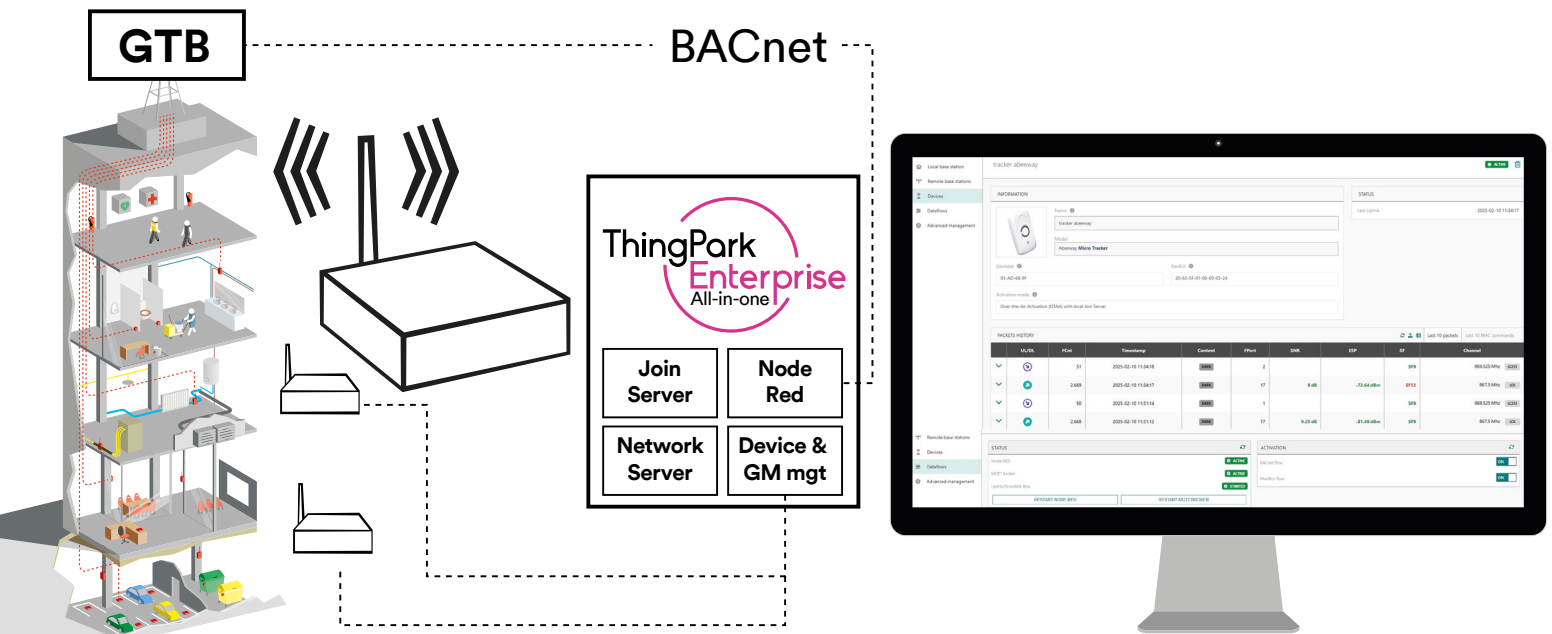
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Features

- 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 over 600 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 Service
- One-off Capex-based licensing model

Supported Gateways

- For indoor deployments:
- For outdoor deployments:

Kerlink:
iFemtoCell,
iFemtoCell-Evolution



Kerlink:
iStation



Kerlink:
iBTS



Founded in 2004, Kerlink is a fast-growing, global, and publicly traded premier provider of Internet of Things (IoT) solutions that enable private businesses, cities, industries, and network operators to cost-efficiently design, launch, and operate public and private IoT networks worldwide.

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Interested in the OEM model for
TPE All-in-one?
Contact our sales representative:

Contact us

