



Actility

# ThingPark Wireless

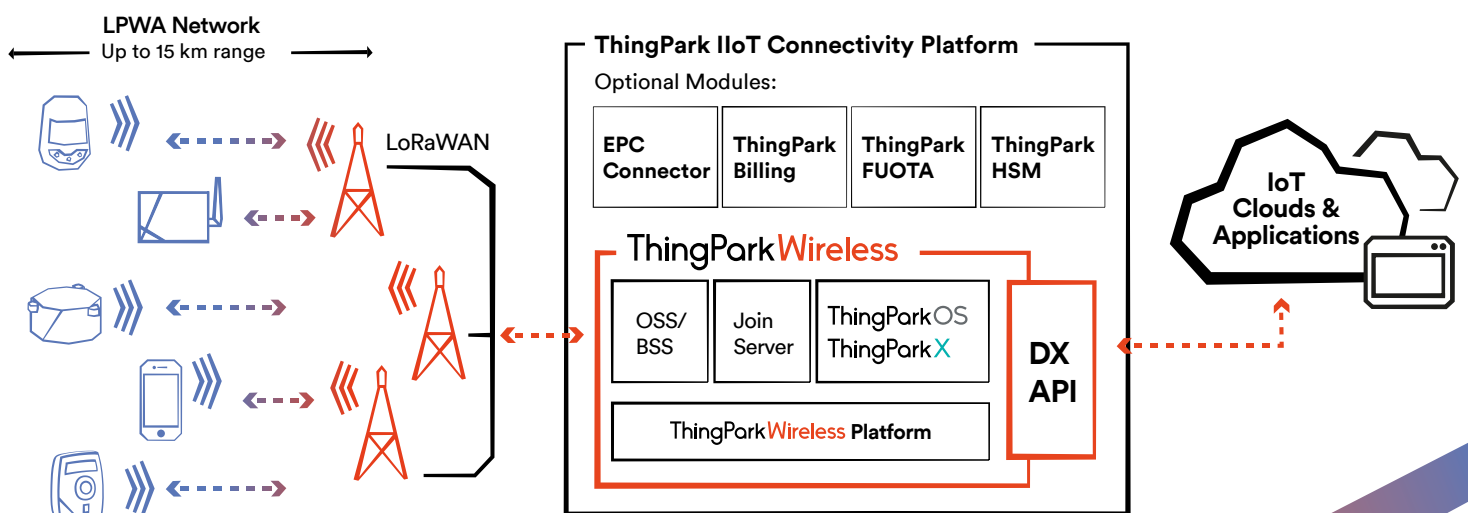
**ThingPark Wireless** is the most powerful and advanced Industrial Internet of Things (IIoT) connectivity platform. Specifically designed for Service Providers, ThingPark Wireless meets and exceeds all requirements for connectivity, security, management and monetization of public Low Power Wide Area (LPWA) networks. To respond to the full range of IIoT use cases, it supports both LoRaWAN and LTE -M connectivity, either together or independently.

**ThingPark Wireless** is fast to deploy, with a full multi-tenant architecture. It is a fully scalable, carrier grade platform able to manage unlimited numbers of sensors. ThingPark Wireless has a rich portfolio of options to respond to each specific need including Join Server, Geolocation Server, Data Management and Analytics and OSS/BSS which link to your billing software. ThingPark Wireless supports both LoRaWAN and LTE connectivity, either together or independently, to respond to the full range of IIoT use cases.

**ThingPark Wireless is designed for Service Providers rolling out public LPWA networks and monetizing connectivity and services**

## Highlights

- Secure bi-directional communication between base station and device
- Device battery life optimization
- Supports class A, B and C devices
- Supports a wide range of LoRaWAN base stations from Cisco, Kerlink, Multitech, UfiSpace and more
- Best in Class LoRaWAN ADR
- LoRaWAN Join Server included
- Secure Key Management
- Email - SMS alerts and notifications
- Rich suite of APIs
- Choice of deployment method
- Fast and easy roll out
- Highly scalable
- High Availability Solution (HA)
- Geo-Redundant
- Pricing model independent of the number of devices



# ThingPark Wireless

## Solution Specifications

LPWA networks are specifically designed for IIoT applications having low data rates and requiring low Total Cost of Ownership. LoRaWAN low power allows record longevity scores for battery powered devices, up to 10 years without recharging for simple sensors.

## ThingPark Wireless features

- LoRaWAN V 1.0.2(b) compliant
- RF regions supported: EU 868, US 915, AS 923
- Secure connections between Network Server and GW via IPSec tunneling
- Network management application
- Base station & device management (RF & Backhaul)
- Packet de-duplication
- Duty cycle optimisation for base station downlink transmission
- LoRaWAN Multicast
- Adaptive Data Rate algorithms
- FUOTA Campaign Management  
Generate patch release
- Data routing supported protocols: HTTP, HTTPS, MQTT
- Data routing supported cloud connectors: AWS IoT, Azure IoT, GE Predix, IBM

## ThingPark

Beyond pure connectivity management, Actility offers an end-to-end solution, with a complete portfolio of Professional Services and ThingPark Marketplace

## Choose your ThingPark Wireless

SPAN Right to Use per GW (per year)

ThingPark Wireless gateway type	Standard SaaS Edition LRR, LRC & OSS	Advanced SaaS Edition LRR, LRC, OSS & selfcare OSS
SPAN Macro Tri Sector GW	SW0121211	SW0121211
SPAN Macro Omni per GW	SW0121212	SW0121212
SPAN Nano per GW	SW0121113	SW0121213
SPAN Pico per GW	SW0121114	SW0121214
ThingPark Wireless gateway type	Standard OCP Edition LRR, LRC & OSS	Advanced SaaS Edition LRR, LRC, OSS & selfcare OSS
SPAN Macro Tri Sector GW	SW0111111	SW0121211
SPAN Macro Omni per GW	SW0111112	SW0121212
SPAN Nano per GW	SW0111113	SW0121213
SPAN Pico per GW	SW0111114	SW0121214

LOAD Right to Use per Packet per second (per year)

ThingPark Wireless Traffic consumption	Standard SaaS Edition LRR, LRC & OSS	Advanced SaaS Edition LRR, LRC, OSS & Multi-tenant OSS
LOAD per PPS	SW0121120	SW0121220
THINGPARK WIRELESS Traffic consumption	Standard OCP Edition LRR & LRC & OSS	Advanced OCP Edition LRR, LRC, OSS & Multi-tenant OSS
LOAD per PPS	SW0111120	SW0111220

## Hardware Specifications for OCP – On Service Provider platform (deployed on platform or cloud)

About Actility : Actility connects the industrial internet of things. The ThingPark LPWA solution platform connects sensors to cloud applications at any scale, from global or national networks to on-campus enterprise solutions, managing devices, data flows, security and monetisation. Actility is a pioneer of LPWA network technology and co-founder of the LoRa Alliance.



[www.actility.com](http://www.actility.com)

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