Wanesy® Management Plane

aka (WMP) will help you to solve your operational challenges: simplify your network deployment, maximize the Quality of Service, identify any need of network densification and optimize LoRa radio band usage.

A large set of Key Performance Indicators and Management features

- **Gateway Monitoring**
  - **System monitoring**
    - Hardware monitoring (CPU, RAM, Disk, Temperature, door, installation time, location)
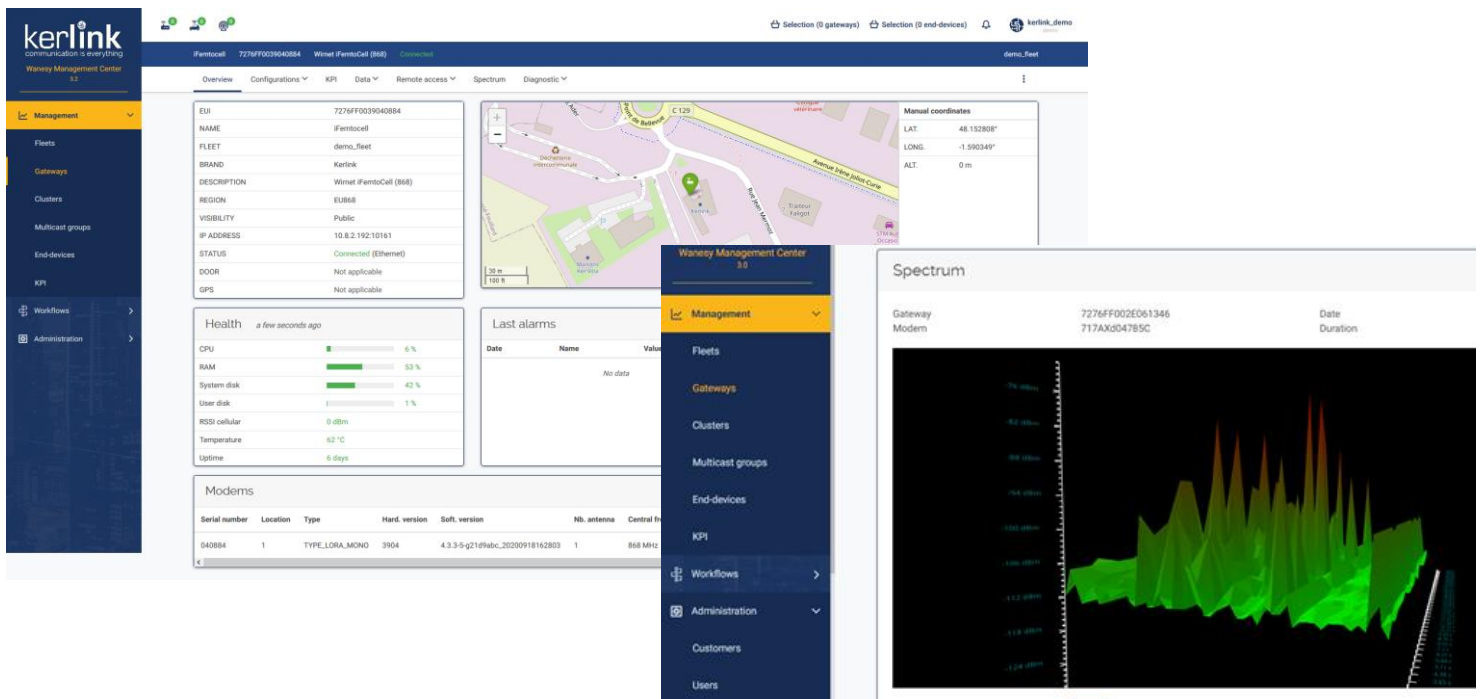   - Software monitoring (KerOS version, packages, licenses, logs)
  - **Backhaul monitoring and priorization** (Ethernet, Wi-Fi, Cellular modem: delays, data counters, status up/down)
  - **LoRa Radio Monitoring** (noise management with Spectrum analysis, channel occupancy, duty cycle)

- **Provisioning & Configuration:** New intuitive User Interface designed in co-creation with customers, unitary or massive import via CSV, workflows.

- **KPI**
  - **on Gateway health** (Link Status, CPU, RAM, Temperature) **Uplink** (numbers, ratios, **DownLink** (numbers, ratios), **Network** (Ping)
  - **on End-devices** when integrated with LNS : **Uplink, DownLink** (numbers, ratios)

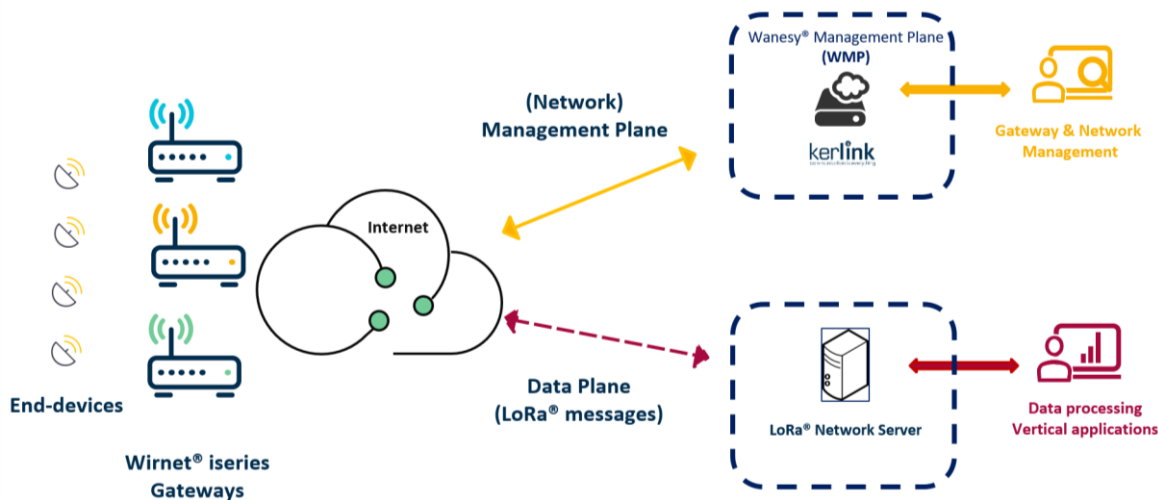- **Wanesy Management Plane (WMP) Monthly fee per Gw includes:**
  - ✓ Corrective and Evolutive Maintenance of Gateway Firmware
  - ✓ Corrective and Evolutive Maintenance of Wanesy Management Plane
  - ✓ SW Licence of Wanesy Management Plane
  - ✓ Access to Kerlink Technical Support – Bronze Service-Level Agreement

Can I use WMP with my actual « LoRa® Network Server » ?

Yes! As Kerlink has decided to split Management Plane (Gw management) and Data Plane (LNS).

No operational impacts nor risks, no need to swap/migrate existing "LoRa® Network Server".
WMP is only using OpenVPN to setup a secure connection with the Wirnet® Gateways.

How to simplify and decrease costs of « Operations »?

In order to simplify your operational tasks, Kerlink is changing the Maintenance paradigm of LoRaWAN networks, splitting Maintenance operations in 2 families : **« automated maintenance » and « interactive maintenance ».**

- **« Automated maintenance »** is covering Firmware updates, security updates and configuration updates that are done <u>now</u>, <u>massively on fleets of Gw</u>, in an automated way thanks to the brand new feature **« Zero Touch Maintenance » (aka ZTM). ZTM feature is offered with all Kerlink Wirnet® iSeries Gateways;**

- **«Interactive maintenance »** is covering operations that are done using <u>a real-time remote connection </u>to Gw: remote control, debug, GW status, Alarms, KPI and visualization via WebUI.
WMP is the best tool, designed with Kerlink unique expertise **on LoRa® Gateways,** to connect in a centralized mode to the Gw in an « **Interactive** » way.

Kerlink is certified ISO9001: 2015 by AFNOR certification.
The Quality Management System gives high priority to Customer satisfaction and progress implementation.

sales@kerlink.fr
+ 33 2 99 12 29 00
1 rue Jacqueline Auriol
35235 Thorigné-Fouillard
France