

INTERNETLESS OPERATION

Platform can be used at the locations with no internet service by using local wireless communication such as WiFi or RF communication.

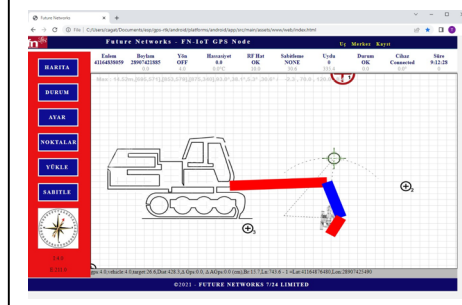
RF-LORA SUPPORT

For the remote sensor communication requirement, RF communication standard Lora is used up to 2km distance.

REMOTE MANAGEABLE

Remote support can be provided by using remote management unit, sensors can be monitored and their firmware can be upgraded.

Length/Rotary Sensor



This sensor is designed to measure the length of motion using a rotating unit and steel cable. The amount of rotation is calculated by adding or subtracting the movement of the rotary unit. Each cycle is divided into 360 parts. Since the circumference of the pulley is 15.2 cm in total, a precision of 0.4mm can be achieved.

This sensor can be used with the FN-Vehicle unit via wireless or RS485 wired connection. No other access point or router is required for wireless connections. Direct communication can be established with the vehicle unit device.

Sensor also can be used as a standalone sensor connected to the cloud directly for different industrial requirements.

- Precise measurement sensor for length of movement of devices such as drill rigs.
- Wireless and wired connection options.
- Durable components for difficult construction environments.
- Designed for industrial environment temperature requirements.
- 12V-24V power supply range compatible with the most of the vehicles battery

- 2.4GHz wireless connection
- RS485 wired connection
- -40°C to 85°C operating temperature range
- 0.4mm precision
- 12-24V power supply
- 868Mhz and 433Mhz frequencies supported for different country requirements

CLOUD SERVICE

FN IoT platform provides management service via cloud based software and servers.

ZERO DOWNTIME

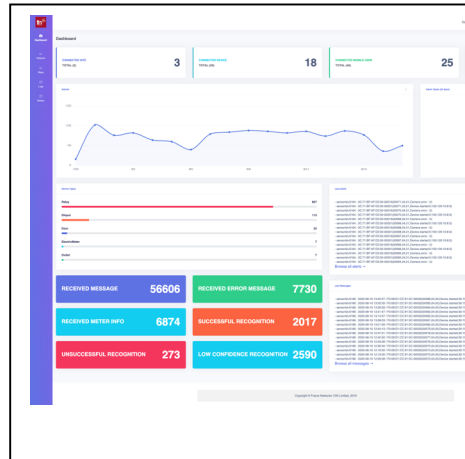
Servers are located on the one of the biggest data center service providers of the world which has infrastructures in USA and EU.

TURNKEY SOLUTIONS

Future Networks provides turnkey solutions for various industries, including edge sensors and cloud based management platform.

For more information on any of our products or services please visit us on the Web at:
www.fniot.net

End-to-End IoT Solutions



Management platform for field operation teams, for monitoring and managing IoT gateways, sensors and operation teams on the field;

- AI module can recognize images sent by visual sensors
- User groups can be defined for responsible for specific regions
- Each group can monitor and get reports for their region only
- Reports can be generated based on dates and/or regions
- Reports can be e-mailed to region field team members
- Automatic upgrading for edge devices firmware via management platform

Web based management console for monitoring and management of the gateways, sensors and mobile teams

Standard and Scalable

- Industry standard Linux platform, provides;
 - Multiple server configuration for scalability and redundancy
- - Web based control center
 - REST API support
 - SMS / E-Mail/Apple & Google Push
- Notification support
 - Configurable end-points by gateways
 - Alarm map
- - Mobile payment support
 - MySQL database

Sensor Types

- RTK Vehicle Device
- RTK Mobile Handset
- Distance Sensor
- Angle/Tilt Sensor
- Rotary/Length Sensor
- Visual/Metering Sensor
- Environmental Sensors
 - Temperature sensor
 - Humidity sensor
 - Switch sensor



DISTRIBUTOR

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