

INTERNETLESS OPERATION

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

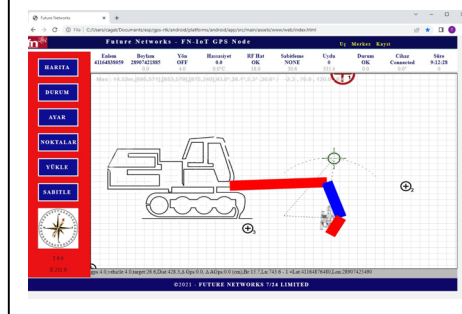
RF-LORA SUPPORT

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.

Vehicle Unit



This capable control device is designed to meet the precise vehicle location guidance requirements of the heavy construction industry. It can receive data from a base station for RTK data, location and heading information from GNSS antennas, and distance and angle data from sensors, and provides real-time target coordinates for the operator via tablet.

Also device send location data to the base station via RF link. Base station can transfer this data the cloud platform via internet if available, for remote monitoring.

- Control device for heavy construction machinery.

- RF-Lora connection support for internetless field operation

- Managed and used with wireless connected tablet by the operator

- Supports two antenna connections for location and heading calculations

- Supports distance and angle sensors for precise calculation of target point addition to location and heading data

- Real-time calculation capability with multiple sensors and location inputs
- 2.4GHz Wi-Fi connection
- -40°C to 85°C operating temperature range
- 2 cm precision
- 12-24V power supply
- 868Mhz and 433Mhz frequencies supported for different country requirements
- L1/L2/L5 GPS bands

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.

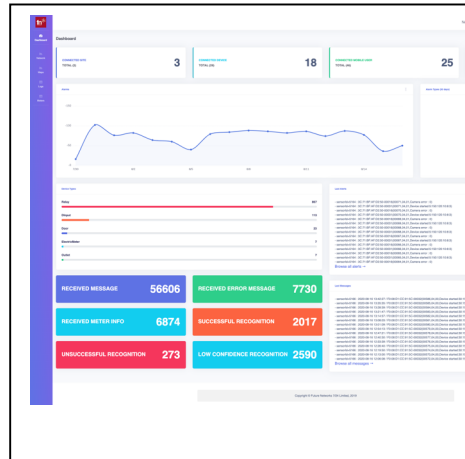
TURNKEY SOLUTIONS

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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