

# Raven IoT sensor Box827 with Griffin IoT

Monitor the health of critical Industrial or Smart City objects.  
Sustainable solution.



## Product Brief: Raven IoT Sensor Box827 Condition Based Maintenance

PRELIMINARY and CONFIDENTIAL



Raven Sensor Box 827 with Griffin IoT cloud for Condition Based Maintenance is a solution that can be easily applied to machines or tools for monitoring their health, uptime, interval to next service with cloud analysis for predictive maintenance – Condition Based Maintenance.

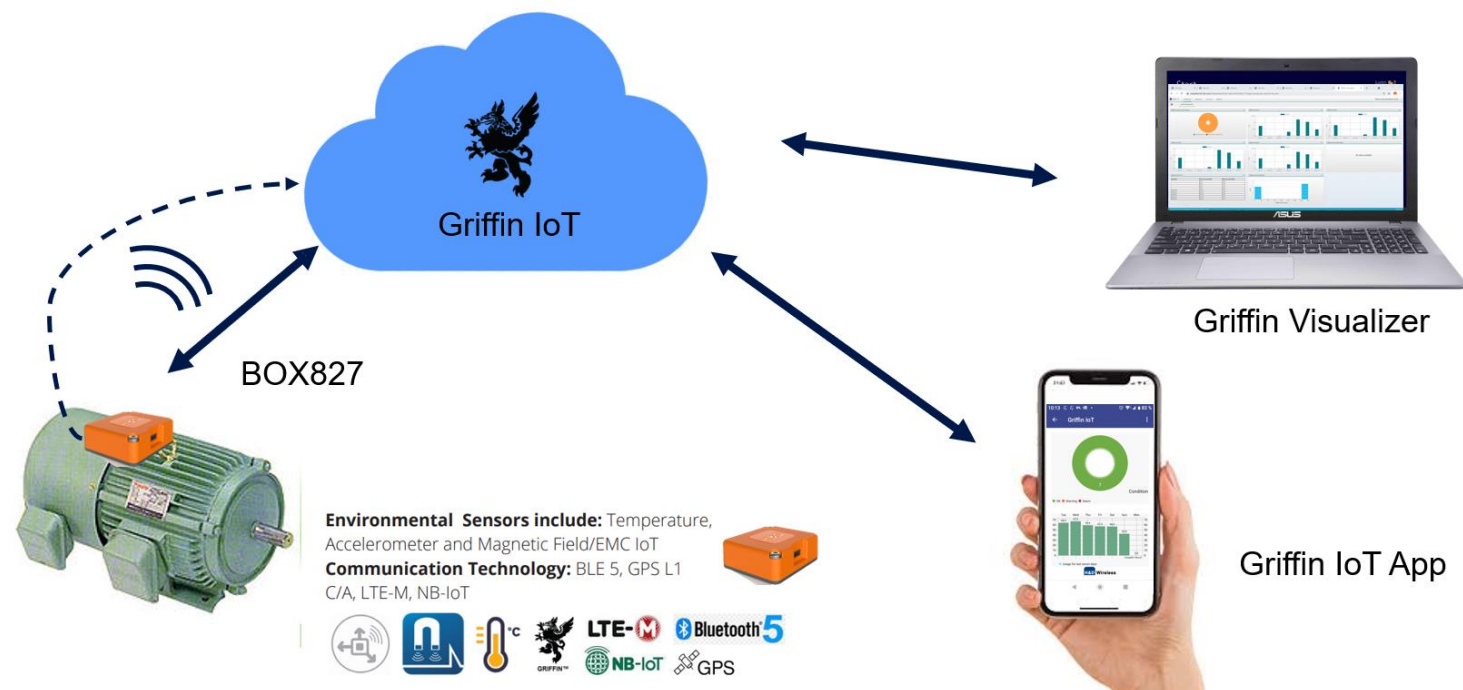
The sensor requires no local infrastructure installation such as Wi-Fi or Bluetooth because it uses the new IoT M2M cellular standard LTE-M and NB-IoT being provided by Global mobile operators like Telia and Telenor. It is offered together with Griffin® IoT Cloud for remote sensing applications. Alternatively Raven IoT sensor BOX827 can be linked to another standard cloud solution that the customer selects

For demos and more information please contact [sales@hd-wireless.se](mailto:sales@hd-wireless.se)

### Turn-key Indoor/Outdoor IoT platform delivering huge cost savings and business gain for Industry and Smart City maintenance



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### Raven IoT Sensor box827 digitize your Objects

#### Key features include:

##### Alarms

- Alarm when the Object misbehave

##### Equipment Health

- Run time
- Vibrations
- Temperature
- Noise lever
- Map over served equipment



##### Analytics

- Know your utilization of assets
- Alarm when the flow misbehave
- Calculate & Report your CO2 footprint

##### RoI and Cost savings

- Major savings in unnecessary visits
- Can get alarms before full breakdown
- Will be able to schedule services and estimate Asset Life time better

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Sustainable Solution.



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Griffin™ IoT Tracking & Analytics offers a unique scalable solution for Industrial Maintenance, Smart City and logistics

- Tags can be deployed standalone with Griffin IoT Cloud for asset monitoring or another standard cloud solution
- Positioning, vibration, shocks, temp, alerts
- Customized IoT sensor tags for GPS location tracking

### Griffin IoT Platform & Visualizer

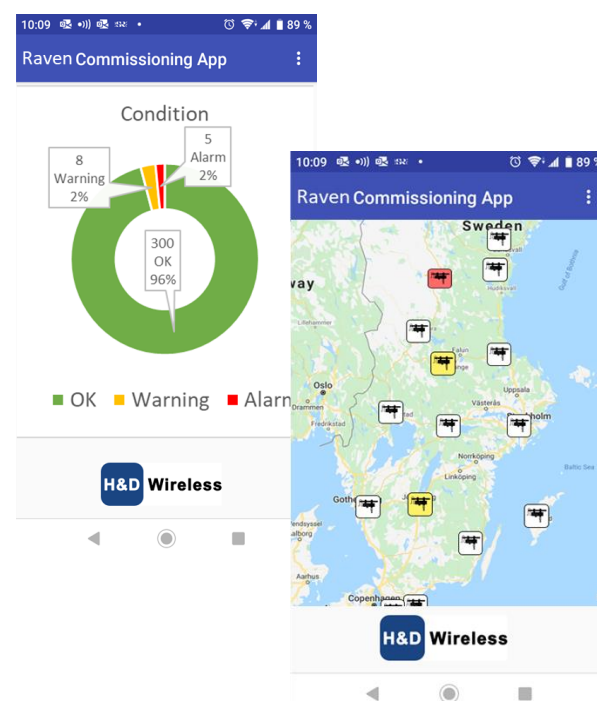
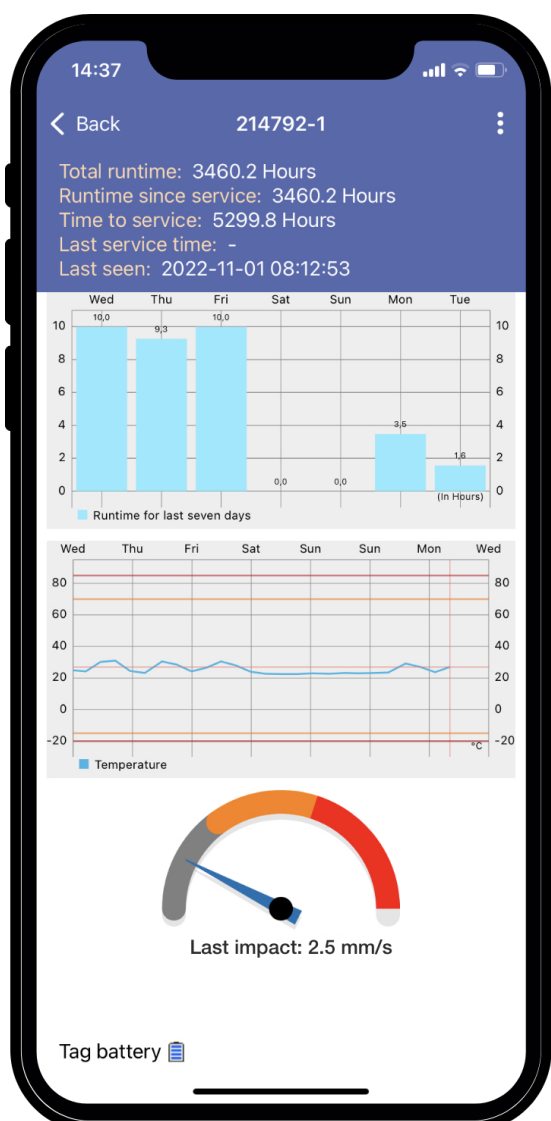
- Monitor, control, optimize, automate
- Geofencing and Notifications
- Cloud deployment
- Server API for 3<sup>rd</sup> party systems

### Server/Cloud Connectivity

- Report tag data thru Griffin IoT or Customer Server via Cat-M/NB1, BLE, Wi-Fi



<b>Raven IoT sensor Box827</b>	
<b>Product name</b>	<b>Box827</b>
<b>Applications</b>	<ul style="list-style-type: none"> <li>• IoT Sensor, Condition Based Maintenance</li> <li>• Tracker tag - Logistics</li> </ul>
<b>Connectivity tech</b>	LTE-M /NB BLE NFC
<b>Localizations tech</b>	GPS: 5-10m Cell ID:0,5-3km BLE: 2-4 m in GEPS (option UWB) BLE: 10-30 m via Cell phone 3GPP rel-14 ECID: 10-50 m*
<b>Sensors</b>	Temperature Motion/ Shock/ Acceleration logg Magnetic detection/logg External I2C interface for options
<b>Power management (Griffin Green Management Tech™)</b>	2600mAh (or 10400 mAh with power Pack), 1300 reports lifetime. Primary battery/Changable / 1-10 years operations
<b>Environmental spec</b>	Operation : -40 - + 85C' IP67
<b>Mechanical</b>	22,8x51,1x59,7 mm



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## AVNET SILICA

Part	Ordering Number	Description
Griffin IoT - Raven BOX827	BOX827- CHG-3	BOX827, C= 0°C to 70°C, Re-chargeable Battery, No mounting flanges
Griffin IoT - Raven BOX827	BOX827- CHW-3	BOX827, C= 0°C to 70°C, Re-chargeable Battery, Mounting flanges
Griffin IoT - Raven BOX827	BOX827- MBG-3	BOX827, C= -40°C to 85°C, Primary Battery, No mounting flanges
Griffin IoT - Raven BOX827	BOX827- MBW-3	BOX827, C= -40°C to 85°C, Primary Battery, Mounting flanges