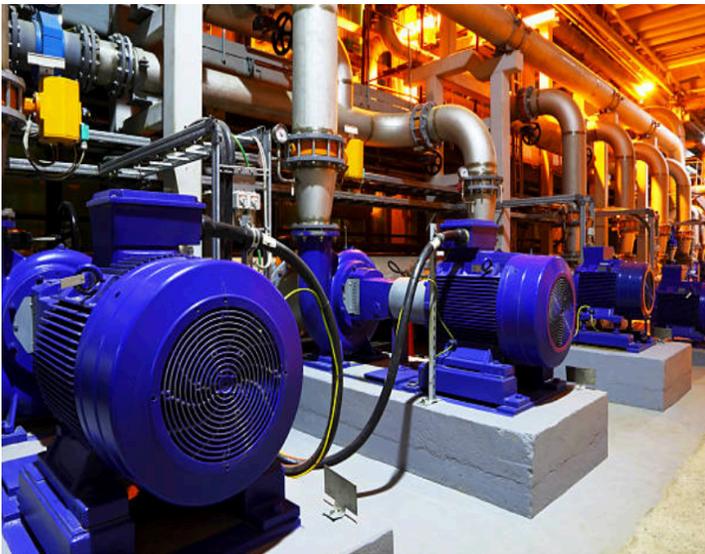


abilIoT

LW420 cloud sensor gateway
built for the LoRaWAN environment



Cloud Connected Sensor Gateway

Leverages state of the art IoT connectivity to provide industrial sensor data to Cloud applications. Breathe new life into your existing sensors by connecting them securely to the Cloud via LoRaWAN.

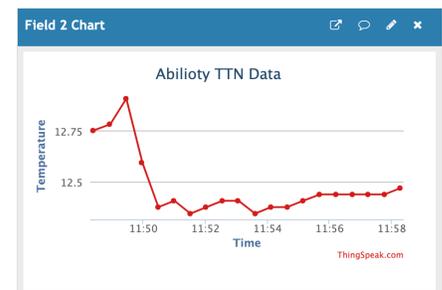
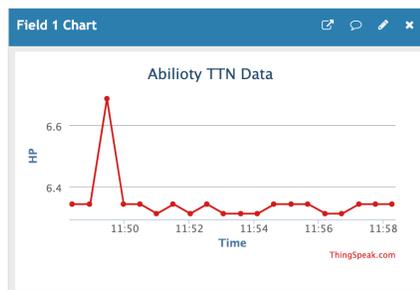
At abilioty our goal is to connect industrial sensors seamlessly to the cloud, enabling better access to manufacturing data. This lets you get the benefits of new software applications while utilizing existing your sensor investment. The key elements to the LW420 solution are:

- * Single-tier, non proprietary connectivity. We're helping to bring an end to the days of vendor-specific gateways with high costs, increased complexity and reduced flexibility.
- * LoRaWAN connectivity via Helium™ or The Things Network™ enables long distance connectivity even in 'noisy' environments such as factory floors.
- * Consumer-grade ease of use and implementation level skills, we'll make it easy to get your Proof of Concept up and running quickly.
- * Access to AWS, MatLab and leading analytics tools for anomaly detection, digital twin creation, predictive maintenance.

Product Details

LW420 Overview

The ability LW420 supports up to two sensor feeds and streams their output over your LoRaWAN wireless network to the cloud. Support for Helium™ and The Things Network™ connectivity has been validated. Telemetry data is delivered to the AWS IoT or MathWorks MatLab™ analytics environments. The LW420 provides the latest in ultra-secure connectivity to the cloud.



Sample output from the ability LW420 showing motor obstruction with Power increase and temperature spike

Product Specifications

Input: 2 x 4-20 mA sensor current loop feeds, loop or gateway powered	Network: LoRaWAN network, up to .1km range. External antenna included
Power: 24V DC	Dimensions: 2.1" x 3.5" x 2.0", DIN Rail mounted
Output: Sensor telemetry sent via LoRaWAN at user specified intervals (20 second standard). Accuracy +/- 0.175%. Factory calibrated.	Operating Temperature: -40 to 85 degrees C

Contact Us

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