

# MILLI 5

## WIRELESS MESH CONNECTIVITY FOR BATTERY-POWERED DEVICES

### DELIVER BREAKTHROUGH USE CASES FOR THE INDUSTRIAL IoT

Milli 5™ is a sub-GHz wireless communications device optimized for battery-powered devices. Milli removes many of the cost, power and size limitations traditionally associated with small, battery-powered edge devices, unlocking a new era of cost-effective connectivity for the Internet of Important Things™. With multi-layer security and native IPv6 addressing, IoT developers can power a wide range of intelligent devices for up to 20 years in the field. Utilities, cities and businesses can now make the business case to reliably connect nearly any device, delivering the intelligence and control to enable a new class of IoT applications such as asset management, environmental monitoring and acoustic detection.



CONTINUOUSLY POWERED MESH

BATTERY-POWERED MESH

- SMART LIGHTS
- SMART METERS
- IoT EDGE ROUTER
- IRRIGATION SENSORS
- INTRUSION DETECTION
- SMART PARKING
- WEATHER SENSORS
- SOLAR INVERTERS
- WASTE MANAGEMENT
- ACOUSTIC SENSORS
- WATER & GAS METERS

### The Complete Solution to Enable Battery-Powered Smart Devices

Milli 5 is a fully integrated communication module that includes robust hardware-based security, memory, and an RF front-end to reduce the overall size and cost of an integrated IoT solution. Milli leverages the proven technology of the Silver Spring Network Platform to deliver industry-leading capabilities in a coin-sized form factor:

#### Robust, reliable and secure connectivity

- » Proven mesh technology ensures reliable communications

#### Superior performance

- » Bi-directional communication with 23 dB Tx power to extend range
- » Over-the-air upgrades ensure up-to-date functionality and security

#### Lower total cost of ownership

- » Multi-application platform reduces the cost of network infrastructure

#### Accelerate time-to-revenue

- » Power-efficient modular design simplifies integration
- » Easy to use developer tools for rapid prototyping

#### Extended service life

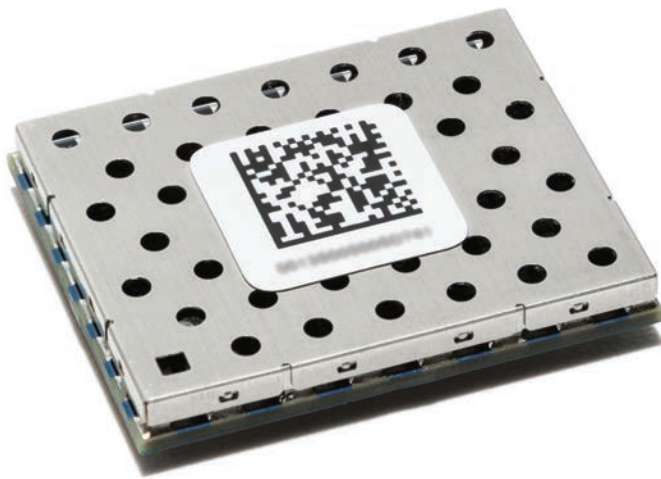
- » Upgradable firmware and up to 20-year battery increases field longevity

MILLI 5

## SECURE IoT NETWORKING FOR BATTERY-POWERED DEVICES

## EXTENDING THE SILVER SPRING PLATFORM TO BATTERY-POWERED DEVICES

Milli 5 leverages Silver Spring's proven multi-application platform and widely adopted industry standards to deliver connectivity and control to battery-powered industrial IoT devices. Silver Spring networks utilize an RF mesh architecture to enable seamless connections across heterogeneous device deployments. Milli connects to the Silver Spring network through a variety of continuously powered devices, including Access Points, Relays, electric meters, street lights and IoT Edge Routers, providing multiple redundant takeout points for IoT endpoint data. By leveraging Silver Spring Networks' installed base of more than 26 million IoT devices, solution developers can streamline implementation and offer a lower total cost of ownership than traditional, single purpose IoT solutions.



## PRODUCT HIGHLIGHTS

- » **End-to-end security** with secure encryption and device authentication.
- » **Alerts, and on-demand or scheduled reads** optimize data feeds for diverse applications.
- » **Performance guarantees** for use cases requiring extremely high reliability.
- » **Configurable** to optimize connections for reliability or extended battery life.
- » **Over-the-air firmware updates** ensure that devices always support the latest capabilities.

## SIMPLIFY DEVELOPMENT WITH THE SILVER SPRING DEVELOPER PROGRAM

- » **Gain access to new markets** and opportunities with a low barrier to entry serving an installed base of >26M devices worldwide.
- » **Leverage widely adopted industry standards** to seamlessly connect your innovative devices and applications.
- » **Access comprehensive resources** including tutorials, industry documentation and reference applications with high fidelity data from meters and line sensors.
- » **Order developer kits** to build and prototype IoT solutions.
- » **Accelerate time to market** by designing, testing and validating solutions on a Silver Spring network.

**START DEVELOPING TODAY**  
[www.developer.ssni.com](http://www.developer.ssni.com)