

PRODUCT DATA SHEET

# SILVER SPRING Gen5 NETWORK

## Milli 5

Leading utilities and cities have delivered breakthroughs in operational efficiency, customer service and environmental sustainability by relying on Silver Spring's secure, reliable two-way connectivity to critical infrastructure. Silver Spring now extends this same connectivity to new smaller and battery-operated devices.

### Up to 20 Years of Battery-Powered Communications

The Silver Spring Milli™ 5 offers proven, self-forming, self-healing network capabilities to new classes of devices. The power-optimized design enables integrated IPv6 communications with a battery life of up to 20 years. The small form factor and cost-effective performance delivers ubiquitous connectivity to deploy new services ranging from water metering to smart city sensors.



Energy



Transportation



Water



Health and Safety

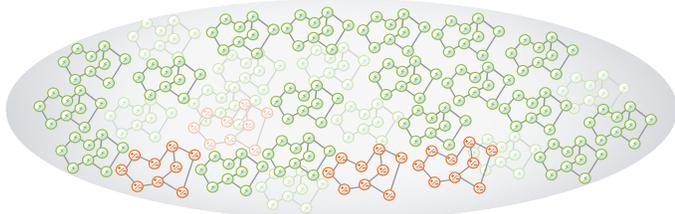


Environment



Buildings

Dynamically optimized for battery life



The Milli 5 enables new classes of small form factor, battery-powered devices within new and existing wireless networks.

### INTEGRATION AND DEPLOYMENT SCENARIOS

**Smart grid** – Milli 5's low power consumption, multi-layer security and reliable coverage using mesh technology enable more cost-effective and efficient services, including water and gas metering. The small form factor and ease of integration deliver reliable two-way communications to a broad variety of devices across the grid, such as line monitors and automated control switches that previously lacked connectivity.

**Smart city** – The breakthroughs in power and performance within an easily integrated, small form factor open new opportunities for smart city device manufacturers. The reliability, long battery life and secure communications enable cost-effective connectivity over a single network for devices such as waste management sensors, smart parking monitors, and emission sensors.

## FEATURES

Gen™5-based networking technology with power- optimized routing

- » 50 kbps data speed
- » Dynamic optimization for power, range and performance
- » Open standards-based two-way communications and interfaces
- » IPv6; IEEE 802.15.4g, Wi-SUN compliant; DLMS/COSEM
- » Low power consumption
- » Typical operation of <10J/day; 20-year AA battery life, twice the operational life of a standard NIC
- » Small form factor, seven times smaller than a standard NIC. Module dimensions are 25 x 30 mm; Weight: 5 g

## Key Benefits

The Milli 5 brings open standards-based IPv6 communications to new classes of devices, enabling automation capabilities across a broad range of critical infrastructure services.



The Silver Spring Milli 5 delivers industry-leading battery life and performance in a coin-sized form factor.

### Improved operating efficiency through service automation across battery-powered devices

The Milli 5's ability to integrate with smaller form factor and battery-powered devices increases cost savings and improves customer service.

### Cost-effective power and performance integrated within an open-standards network platform

By continuing to leverage open standards, Silver Spring ensures a rich device and application ecosystem as well as investment protection. The innovative power management of Milli 5, low overall cost of ownership, and reliable performance assures best-in-class critical infrastructure services.

### Risk mitigation through proven, multi-layer security

Two-way communications remain protected from the increasingly hostile threat environment by building on Silver Spring's proven, multi-layer security with built-in controls from the application to device layer.

### Rapid time-to-value with flexible integration

The Milli 5 offers standard interfaces, data APIs and complete hardware development kits, allowing device manufacturers to get to market quickly. The Silver Spring Partner Program accelerates the visibility and adoption of joint solutions across cities and utilities worldwide.

## About Silver Spring Networks

Silver Spring Networks is a leading networking platform and solutions provider for smart energy networks. Silver Spring's pioneering IPv6 networking platform, with over 22 million Silver Spring enabled devices delivered, is connecting utilities to homes and businesses throughout the world with the goal of achieving greater energy efficiency for the planet. Silver Spring's innovative solutions enable utilities to gain operational efficiencies, improve grid reliability, and empower consumers to monitor and manage energy consumption. Silver Spring Networks' customers include major utilities around the globe such as Baltimore Gas & Electric, CitiPower & Powercor, Commonwealth Edison, CPS Energy, Florida Power & Light, Jemena Electricity Networks Limited, Pacific Gas & Electric, Pepco Holdings, Progress Energy, and Singapore Power, among others. For more information please visit [www.silverspringnet.com](http://www.silverspringnet.com). Rev. 1/27/2016

Copyright © 2016 Silver Spring Networks. All Rights Reserved.  
All trademarks are the properties of their respective owners.

Corporate Headquarters  
555 Broadway Street  
Redwood City, CA 94063  
☎ +1 650 839 4000  
Toll Free +1 866 204 0200



[www.silverspringnet.com](http://www.silverspringnet.com)