

IoT EDGE ROUTER

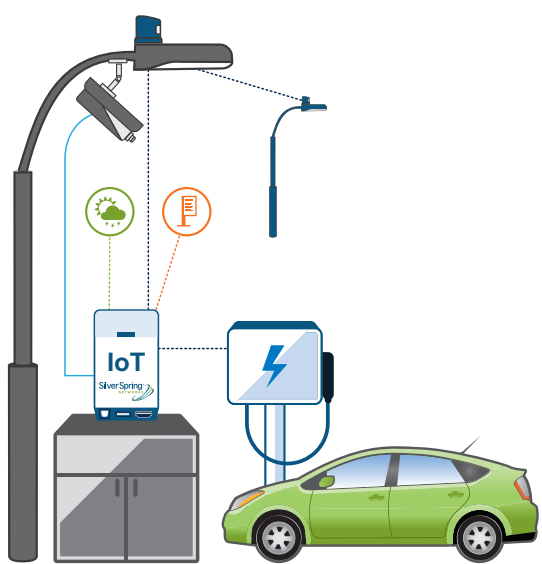
EDGE INTELLIGENCE AND CONTROL FOR INDUSTRIAL IoT APPLICATIONS

SMART DEVICES. SIMPLY CONNECTED.

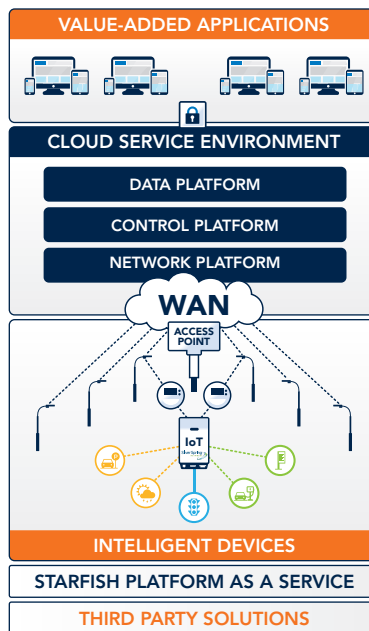
The IoT Edge Router securely and reliably connects a wide array of smart devices across the Silver Spring multi-application IoT network. The IoT Edge Router provides an edge computing platform with the processing horsepower and the ability to gather and analyze data to efficiently manage and control critical assets.

The Linux-based IoT Edge Router enables cities, utilities and enterprises to connect any IP device to the Silver Spring network, enhancing the performance, reliability and security while reducing cost.

It replaces costly single-purpose networks, providing visibility, manageability and insight across all connected devices in a single unified platform.



RF Mesh HDMI — Bluetooth/Wi-Fi Ethernet



Connect to a Proven and Standards Based Platform

Accelerate time-to-value

- » Leverage existing infrastructure for fast and cost-effective deployment.
- » Focus on the implementation and rollout of smart city and smart utility initiatives without worrying about network connectivity, configuration, and support.

Reduce the total cost of ownership

- » Minimize the capital and operating expenses required to support industrial IoT use cases.
- » Lower network traffic with distributed intelligence.

Deliver breakthrough services

- » Easily connect a wide range of innovative devices, sensors and applications.
- » Execute applications at the edge to enable near-real time control

Simplify device management

- » Easily deploy and coordinate heterogeneous device types from a variety of vendors.

Enhance quality of service

- » Ensure robust, reliable and secure connectivity on Silver Spring's proven industrial IoT platform.



INTRUSION DETECTION



SMART PARKING



ENVIRONMENTAL SENSORS



SOLAR INVERTERS



EV CHARGERS



ACOUSTIC SENSORS



DIGITAL SIGNAGE

IoT EDGE ROUTER

EDGE INTELLIGENCE AND CONTROL FOR INDUSTRIAL IoT APPLICATIONS

SMART EDGE CONNECTIVITY

The IoT Edge Router supports a variety of use cases and enables cities and utilities to leverage a common network platform across multiple applications and business units. The IoT Edge Router addresses the following needs:

ENABLES "PLUG & PLAY" INTEGRATION

- » Connect new and legacy devices (IPv6 or IPv4) to Silver Spring's multi-application IoT platform
- » Ensure secure and reliable connectivity and control

EXECUTES DISTRIBUTED INTELLIGENCE APPLICATIONS

- » Streamline services by collecting and processing data at the edge
- » Minimize the cost of backhaul—communicate only when necessary
- » Support ultra-low latency use cases with

CREATES A "NETWORK OF NETWORKS" FOR LIMITLESS EXTENSIBILITY

- » Extend networks by connecting devices with any transport protocol, aggregating their data into a single unified platform
- » Orchestrate controls across a variety of device types



The IoT Edge Router offers standard connectivity interfaces including Ethernet, USB, and HDMI

DEVELOP INNOVATIVE INDUSTRIAL IoT APPLICATIONS

The Silver Spring Developer Program gives solution providers a comprehensive toolkit to design, develop and deploy innovative IoT applications. Silver Spring's proven, reliable and secure IoT platform streamlines application development and offers an accelerated path to bring new solutions to market. With the IoT Edge Router you can:

- » Build the next-generation edge-computing IoT solutions.
- » Connect your devices to the Silver Spring's IoT Platform to enable a secure, reliable and lower-cost solution for your customers.
- » Develop edge applications and package them as SNAP containers using Canonical's open-source environment and tools.
- » Leverage SNAPS' simple and modular architecture for worry-free updates and rollback.
- » Easily onboard applications on to Canonical's Ubuntu Linux distribution running on the IoT Edge Router.

START DEVELOPING TODAY
www.developer.ssni.com