UNLEASH INDUSTRIAL SYSTEMS DATA FOR IOT, AI AND ANALYTICS

SmartServer™ IoT ushers in new era in convergence of industrial automation, edge and cloud technologies

EnOcean now gives customers the power to embrace existing industrial devices; extend legacy systems to emerging IoT sensors and analytics with a proven data layer and programmable interfaces; and enhance operational efficiency and ROI with insights from cloud analytics and artificial intelligence (AI).

Key features

- Built-in interfaces for open Industrial IoT protocols (LON, BACnet and Modbus); open library for custom interfaces to proprietary networks

- Open standards-based data and information model that creates seamless IoT data fabric connecting diverse devices, services and applications

- Connectivity to cloud services and supervisory systems via a variety of methods including MQTT, REST, BACnet/IP or OPC UA

- Standardized controls and automation services such as discovery, scheduling, data logging and alarming running at the edge for reliable system operations

- Central management software (CMS) with a user-friendly web-based UI for simplifying complex integrations

- Secure access to device data and services for accelerating edge applications

- Multi-channel support with optional I/O expansion for flexibility and lower system cost

- Compatibility with open LON and BACnet tools used to create and provision networks

- Built on open Linux platform with support for standard development tools for simplifying controls applications and custom interfaces

SmartServer IoT uniquely offers an end-to-end integration solution using a truly open approach

- Built-in drivers, services and management software and tools for out-of-the-box device and data integration

- Open APIs for standardized access to industrial systems for controls, automation, analytics and AI

EASY IOT DEPLOYMENT FOR SOLUTION PROVIDERS AND INTEGRATORS

Our simple and predictable pricing model helps you build unrestricted applications regardless of the number of datapoints you are monitoring, controlling and analyzing. SmartServer IoT is also easy to integrate, install and deploy. Our intuitive browser-based CMS and flexible tools minimize deployment time and help you succeed even when project specifications evolve.

Solution integrator benefits

- Integrate best-of-breed multi-protocol multi-vendor products and software applications
- Maximize clients' legacy investments in controls and automation by adding IoT, analytics and AI
- Accelerate system integration by streamlining the planning, engineering, provisioning, and commissioning steps
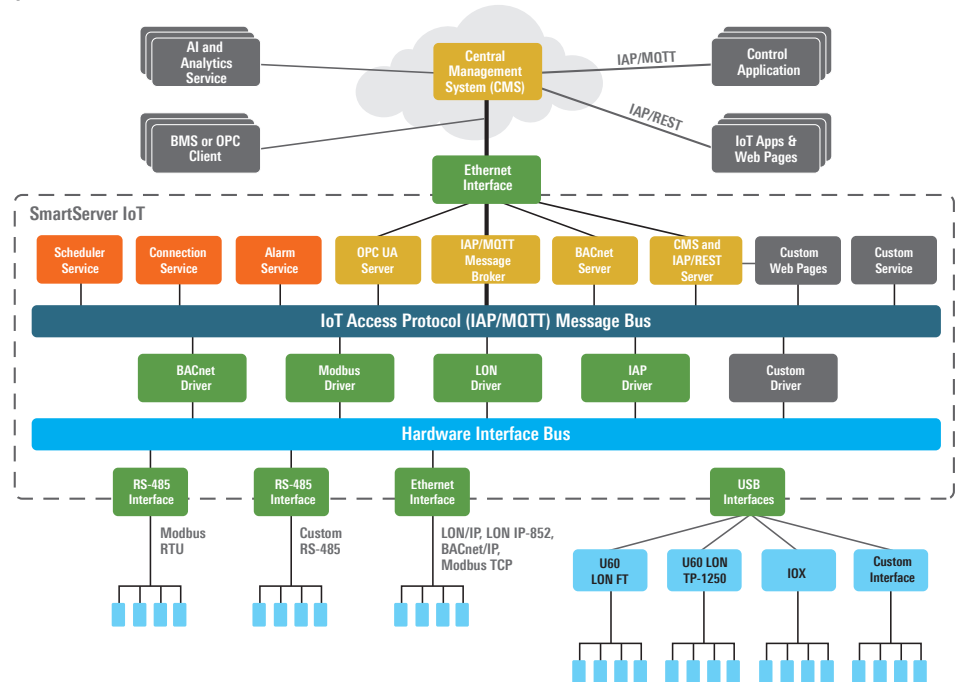- Deliver new services and solutions that predict outcomes and optimize performance

Ecosystem partner benefits

- Freely access buildings systems data without worrying about the complexities of industrial networks/control systems
- Easily create data-enriched edge/cloud applications with open, secure and contextualized access to building systems data
- Achieve faster ROI for IoT projects with the ability to easily enact rules and changes on buildings systems
- Address the widest number of use cases with a device/data integration platform that works across any smart building infrastructure

To request samples, download documentation or learn more visit:

www.enocean.com

System architecture

SmartServer IoT APIs based on IAP (Internet of Things Access Protocol)

The SmartServer IoT features a rich set of standardized APIs that is both easy to use and extremely flexible, enabling developers to create applications that:

- Access, log and analyze data in edge devices
- Provision and manage devices
- Monitor system performance
- Create alerts and notifications

Any applications using the APIs can run in a variety of places:

- Remote browsers for a custom web UI
- Remote (cloud) servers for analytics, AI, and other web services
- Locally hosted on the SmartServer IoT

Two complementary sets of APIs are available:

- REST – ideal for remotely-based web pages and dashboards
- MQTT – ideal for local and remote IoT applications

Companion modules

- U60 modules add a USB to LON FT or TP-1250 interface
- IOX modules provide multiple configurable digital I/Os, serial interfaces, including Modbus RTU, and optional energy metering
- U70 modules add a USB to LON PL-20 interface

EnOcean

EnOcean GmbH | **enocean.com**
Kolpingring 18a, 82041 Oberhaching, Germany | Phone: +49.89.67 34 689 – 0