

An Open, Flexible Approach to IoT Lighting Management

Dialog SmartServer™ IoT + Dhyan LightMan

Upgrade to smarter outdoor lighting

Leaders in smart lighting solutions, Dhyan and Dialog are collaborating to offer a world-class lighting management solution for OEMs, cities and system integrators. Leveraging the open TALQ Smart City Protocol, Dhyan LightMan gives you fine-grained control and visibility into the health and status of every one of your smart lights, whether in a building, public area, or city street. The open, extensible approach means you can easily expand your system with devices from multiple vendors and protocols all under one CMS. And with the kind of support that only comes from a company with nearly two decades' history of satisfied customers, you can be sure that the security of your lighting network is in safe hands.

Dhyan
THE DEVICE MONITORING
AND MANAGEMENT EXPERTS

dialog
SEMICONDUCTOR
A Renesas Company

Dhyan LightMan CMS



Increase maintenance team productivity

With LightMan's troubleshooting tools, maintenance teams can reduce building inspections, city field trips and truck rolls as they can see the exact reason for the fault, preparing them to fix the problem in one trip.



Increase energy savings

Increase your energy savings by setting lighting levels or on/off schedules for different areas of your building, facility, or city, or setting dimming levels for certain streetlight segments. Reducing a lamp's burn hours also increases its life.



Resolve complaints sooner

Light outages are debugged and resolved faster and more efficiently thanks to LightMan's field-proven support tools, map views, analytics, and troubleshooting features.



Intuitive Dashboards

Lamp Lifetime Predictor



Smart phone mobile app

With the mobile app, LightMan (or its big brother StreetMan) can help you check a lamp's performance, look for faults, assign them to a technician, and also troubleshoot the problem using your smart phone wherever you are. You get automatic fault notifications as text messages too.

Dialog SmartServer IoT



Seamless IoT infrastructure

A SmartServer IoT edge server securely connects any sensor, device or machine horizontally to its peers or vertically to enterprise, edge and cloud computing infrastructure, without any custom coding or development, through an IoT data fabric enabled by Dialog's open IoT Access Protocol - IAP.



Integration simplified

The SmartServer IoT device and data integration platform supports the entire IoT workflow from planning to operations and maintenance, with a built-in widget-based UI and pre-configured features, so you can deliver complex industrial IoT projects on time and under budget.



Open interfaces and interoperable ecosystem

Built on a foundation of open hardware and software standards, SmartServer IoT prevents vendor lock-in at every level, and ensures that data belongs to you. This open, extensible architecture provides both cross-M2M protocol communication and secure interoperability with modern edge and cloud infrastructures, so you are always ready for the future.



Powerful software platform, industrial hardware

An end-to-end software platform inside industrial hardware, Dialog's SmartServer IoT hosts a complete software stack from device to cloud, with built-in support for industrial communications protocols, controls and automation, as well as northbound connections with CMS, BMS and SCADA systems.

SmartServer IoT lighting management solution

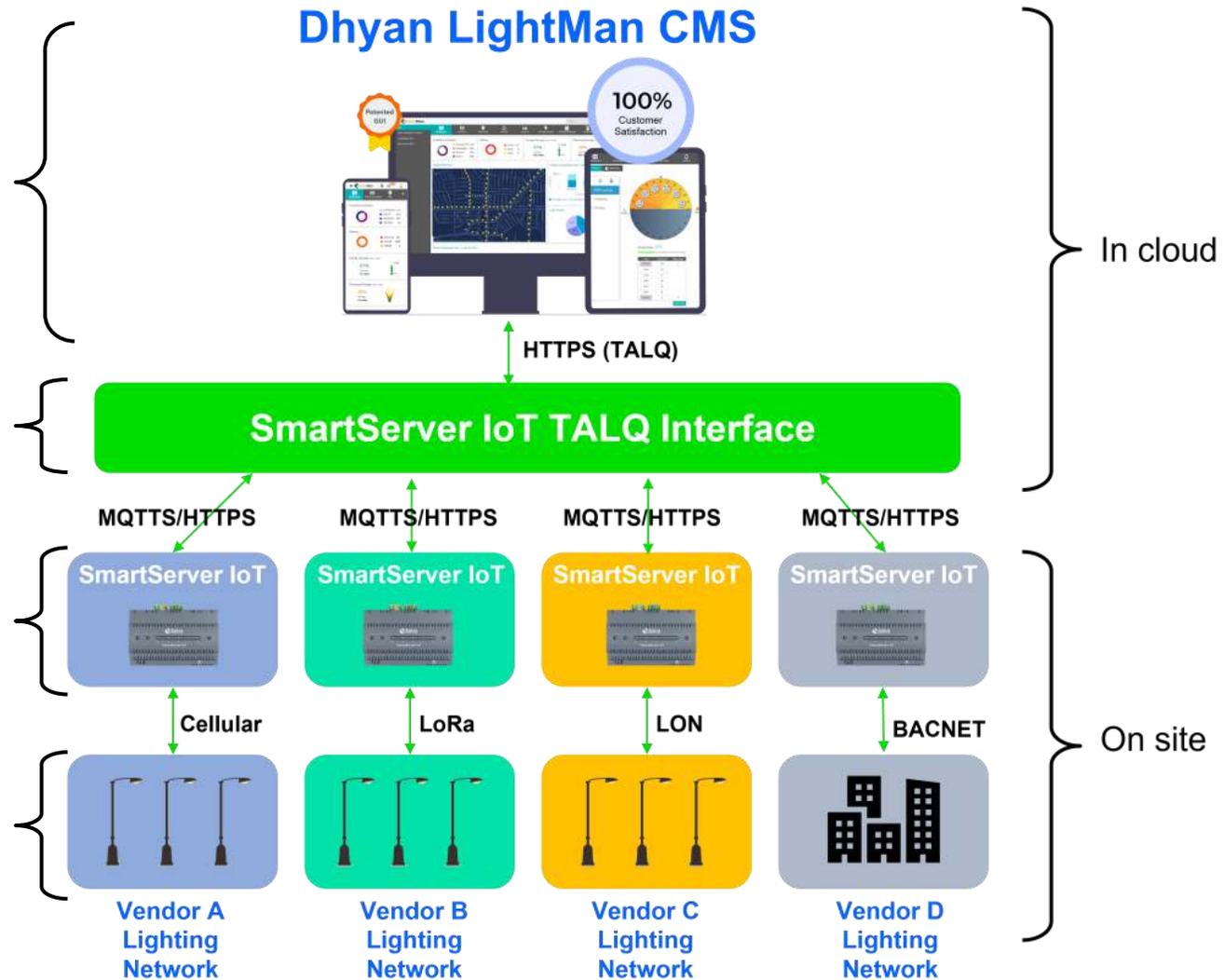
Dhyan, the device management experts, and Dialog, a Renesas company, have joined forces to bring you the SmartServer IoT lighting management solution.

Dhyan LightMan – a Central Management System (CMS) that is secure, easy to use, future-ready, and up-to-date. LightMan can monitor, manage, and control a variety of smart light assets and sensors typically used in buildings, warehouses and area lighting. LightMan's big brother StreetMan does the same for street assets such as streetlights, cameras, access points, charging stations, billboards, etc.

SmartServer IoT TALQ Interface – a software solution hosted in the cloud that acts as the gateway between the Dhyan CMS and the Dialog SmartServer IoT devices that are connected to a smart lighting network. The TALQ interface ensures open interoperability and prevents lock-in.

SmartServer IoT – an extensible, multi-protocol IoT edge server that can easily communicate with any wired or wireless IoT technology, enabling monitoring, automation and intelligence for multiple disparate IoT networks including smart lighting for streets, public areas and building lighting.

Smart Lighting Network – SmartServer IoT is a multi-protocol IoT edge server which can connect to a variety of IoT networks over many different protocols. Multi-vendor interoperability comes by default.



Key features of LightMan

Feature	Benefits
Light problem diagnostics	Minimizes the time spent on maintenance calls and truck rolls as your technicians will know the exact nature of the problem and go to the field fully prepared
Automatic provisioning	Significantly reduces commissioning time. As soon as controllers are installed in the field and start communicating, they are automatically discovered by the Dhyan CMS
Inventory view	Reduces maintenance overhead of keeping inventory accurate between different applications
Real-time lighting control	Increases building management and field crew productivity
Mobile app	Saves maintenance crew in-field time. In-field changes are reflected immediately.
Lamp lifetime predictor	Avoids outages as you can proactively replace the soon-to-be-burned-out lights
Smart city readiness	As you deploy more smart city assets (e.g. EV chargers), upgrade easily to StreetMan to get the ONE dashboard which provides complete visibility and control
Text, email alerts for outages, faults	Minimizes downtime as you are immediately notified of faults

“ LightMan provisioned smart LEDs with zero-touch auto-provisioning. All nodes and gateways were up and running in just two days, enabling Besser Lighting to deliver the project to Siemens warehouse on time, and with a better user experience. ”



Daniel Torres
Operations Director
Besser Lighting

“ Our team members can now diagnose problems from their desktops and can share that information with our technicians so they are fully prepared to make the necessary repairs in the field. ”



Jon Jennings
City Manager
City of Portland, Maine

For more information email info@dhyan.com