

## RA Ecosystem Partner Solution HUAWEI CLOUD - Smart Street Lighting Solution



### Solution Summary

The RA Huawei Cloud Solution leverages the RA6M2 microcontroller from the [RA family of MCUs](#) and ISL29035 digital light sensor to control & manage a street lighting via Wi-Fi to Huawei Cloud. It provides a comprehensive use case of Huawei cloud connectivity for developers to easily get started on the Huawei cloud environment and kick-start IoT device development & deployment.

### Features/Benefits

- Quick-start reference solution for developers to get started with Huawei Cloud connected IoT applications
- Accelerates IoT device development and prototyping with Huawei cloud
- Secure end-point communications over MQTT/TLS
- Reduces actual product development cost by delivering comprehensive software building blocks
- Leverages MQTT/TLS endpoint security of RA
- Allows monitor/control of various sensor data through visible dashboard or IoT platform GUI

### Diagrams/Graphics

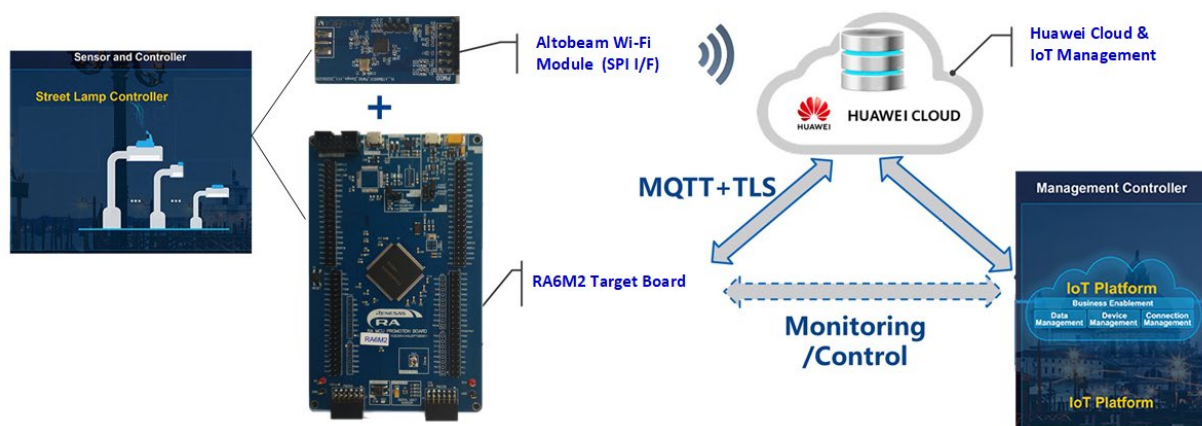


Figure: Huawei Cloud Smart Street Lighting Solution

### Target Markets and Applications

- Smart Logistics
- Intelligent Resell
- Smart Home
- IoT edge devices
- Smart Lighting
- Smart Agriculture

**Corporate:** Huawei Technology Co., Ltd.

**Address:** Huawei BanTian Base, LongGang District, Shenzhen City, Guangdong Province, China.

<https://www.huawei.com/>