## LoRa IoT Solution

### LoRa Gateway
LN-A1
IP65 Rugged LoRa Gateway for in/outdoor applications

**Key Features**
- Low power consumption
- LoRaWAN compliant
- IP65 chassis
- Long transmission range up to 1 Km
- 16 selectable LoRa bands
- OS – Android 6.0
- IP65 antennas – 1x LoRa, 1x 3G/LTE, 1x Wi-Fi, 1x GPS.

### LoRa Edge Sensor
LE-01
T/H/L Sensor with battery support

**Key Features**
- Ultra low power consumption
- Ultra long range communication
- Sensors – humidity, temperature and light sensor

### LoRa Actuator
LE-81
Dry contact actuator

**Key Features**
- Multi channels and multi spread factor receiving
- 16 selectable LoRa bands
- Two dry-contact relay switches for external devices control

## Application Diagram

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System Admin.
• Data Analyze Server
• Data Storage Server
• MQTT/HTTP Service

PaaS Cloud

End User
• Real Time Monitoring
• Receive Alerts
• Send Instructions

LoRa Gateway

LoRa Connection

LoRa enabled Smart Street Lights
Sensor for infrastructure
Sensor for Agriculture
Sensor for Livestock tracking

LAN / Wifi / 3G / LTE
```