

Smart City Platform

Intelligent lighting control system

NB-IoT / GPRS / 4G Solution

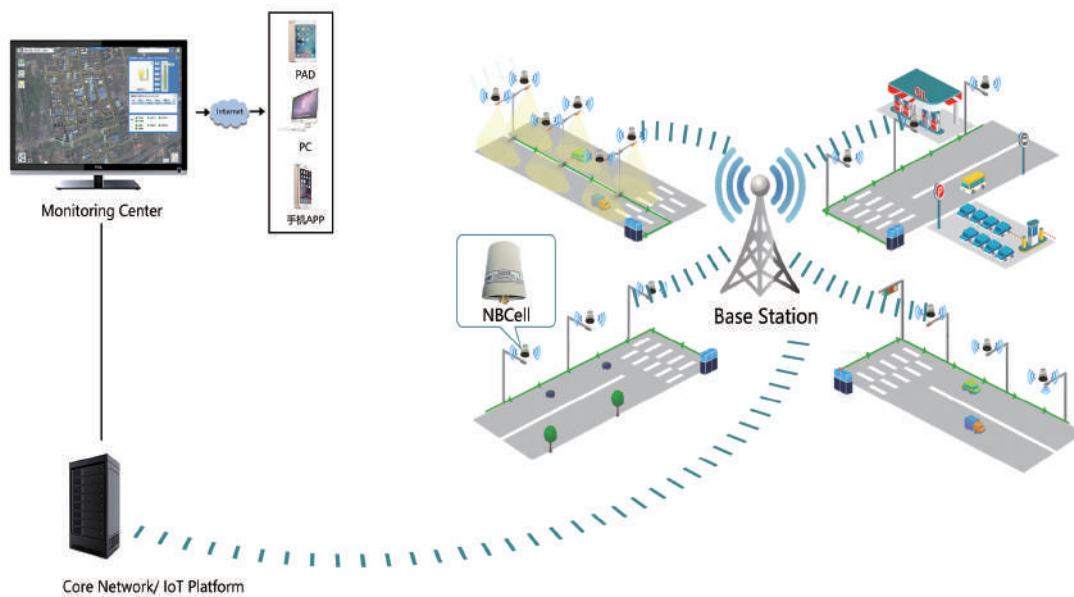
CSA051 Alliance Standard

NEMA/Zhaga interface

Plug and Play



NB-IoT / GPRS / 4G Solution



Application :

- 1.City road lighting smart control
- 2.Solar light smart control
- 3.Parking a lot smart lighting control

Features:

Installation simply, low power consumpti
low cost, big coverage, large capacity, hig

Technical Features:

- CSA051 Alliance Standard
- NEMA Interface
- Plug and Play, Connection and Communication

1. Big coverage, 20dB gain

- Increase the density of narrow band power
- Resending times: 16 times
- Encode gain

3. Large connection, 50000

connection for every community

- High efficiency of radio spectrum
- Data package is small
- Ultimate low ratio of terminal activation

2. Low power consumption, 10 years lifetime of battery

- Simplify protocol, low chip power
- High efficiency of power amplifier
- Short time of transmitting and receiving

4. Low cost

- Simplify hardware of radio
- Simplify protocol to reduce cost
- Reduce the complication of base band

Technical Features Determine Application Scene:

1. Low data flow
2. Bad signal area
3. Large density of installation

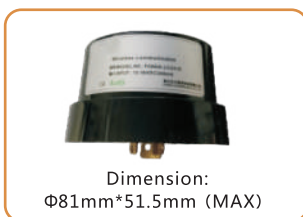
4. Power input not convenient
5. Time delay is not sensitive

Product Introduction

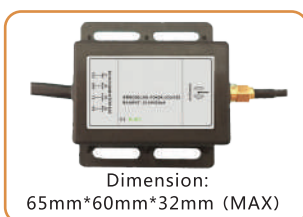
Communication controller:

LCU31G、LCU51LTE

LCU31G



LCU51LTE



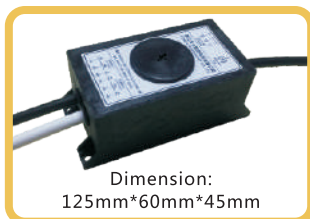
Features:

1. DC input: 12~24V DC / 120mA.
2. Be available to use Micro SIM card or internal chip SIM card.
3. With communication interface to connect with digital driver to realize remote control.
4. Capable of reading current / voltage / power / power factor / electronic energy by remote.
5. With function of detecting lamp failure.
6. With function of making it alarm automatically.

Cellular Narrow Band Product Series:

LCU12NB、LCU16NB

LCU12NB



Dimension:
125mm*60mm*45mm

Parameters:

Working Temperature: -40°C~+85°C
Humidity: <95%
Input AC Voltage Frequency: 50~60 Hz
Protection Level: IP67
Communication Way: NB-IoT

Features:

1. NB-IoT communication.
2. Turn on / off light by remote, Maximum output of internal Relay is 16A.
3. Dimming interface: 0~10 V / DALI / PWM.
4. Capable of reading current / voltage / power / power factor / electronic energy by remote.
5. With functions of detecting lamp failure and making it alarm automatically.
6. Lightning proof.
7. With GPS positioning optional function.

LCU16NB



Dimension:
Φ84MM*97MM

Parameters:

Working Temperature: -40°C~+85°C
Humidity: <95%
Input AC Voltage Frequency: 50~60 Hz
Protection Level: IP65
Input Voltage: AC 96V-294V

Features:

1. NB-IoT communication.
2. Standard NEMA interface, simple for installation and maintenance.
3. With 7 pin NEMA interface.
4. Turn on / off light by remote, Maximum output of internal Relay is 16A.
5. Dimming interface: 0~10 V / DALI / PWM.
6. With functions of electronic energy accumulation and cleaning data by remote.
7. With functions of detecting lamp failure and making it alarm automatically.
8. Lightning proof.
9. Support to extend the optional functions with GPS positioning, photocell and pole tilt detection.

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