



NEMA Street light Controller SLC-NEMA01



NEMA Street Light Controller

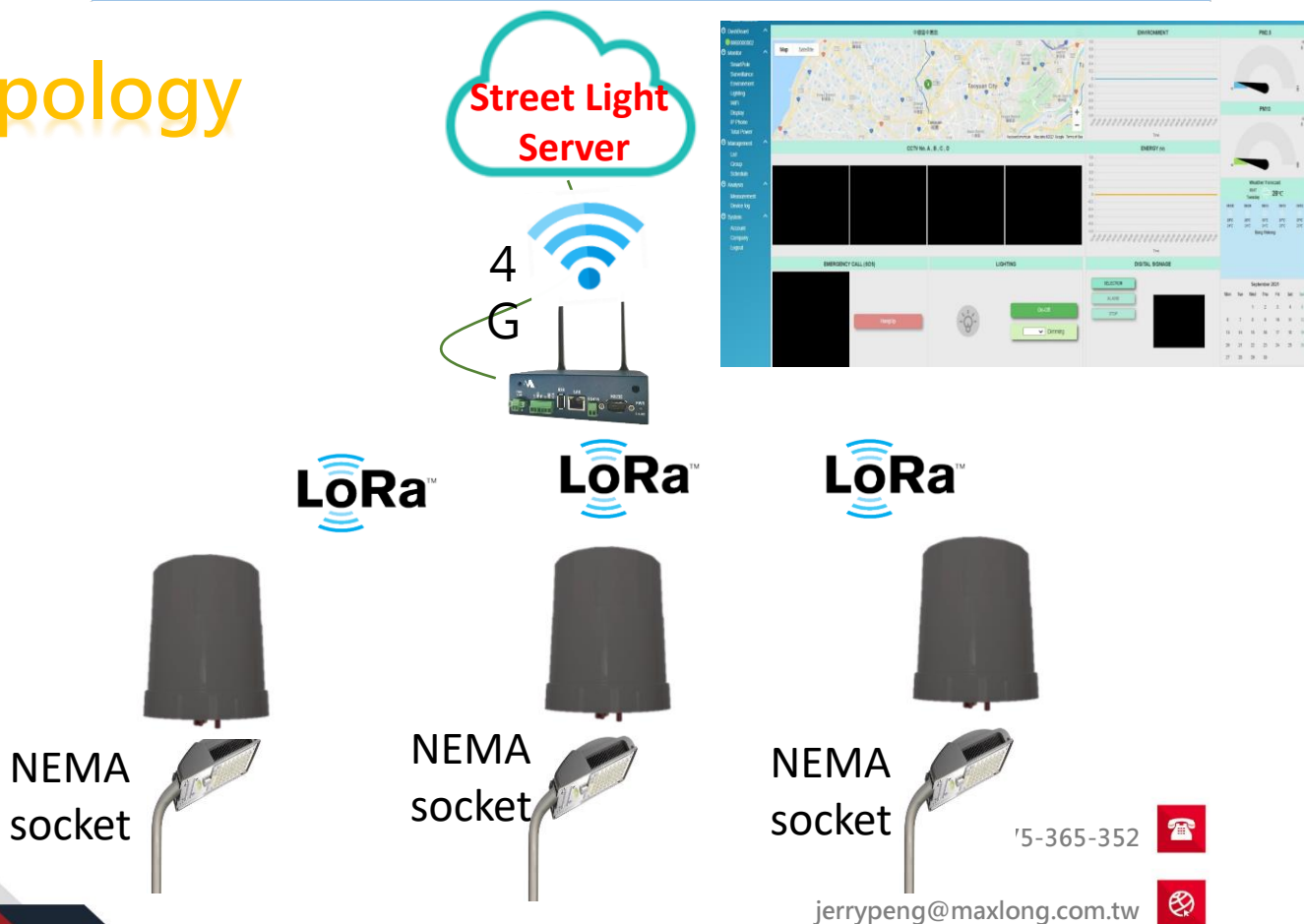
Features

- Designed and optimized by Low Power Wild Area Network (LPWAN) with LoRa network technology
- Support LoRa bands: Frequency 868~932Mhz, other frequency band available as option
- NEMA 7 pin socket connected (ANSI C136.41)
- Electrical parameters monitoring with measurement, precision 1%
- Wide operating temp range -10°C to $+70^{\circ}\text{C}$
- Fault detection
- Support RESTFul API and MQTT for further integration. Please see RESTFul API command list and MQTT command list for more details.
- Support Power on wattage calibration
- operation based on firmware schedule planning

Specification

Electrical Parameter Monitor : Vrms(V)、Irms(I)、Power Factor(PF)、Power(W)、RSSI(dBm)
Light Control : On、Off、Dimming(0-10Vdc)
LoRa Transmission : Semtech SX1272
LoRa Frequency : Frequency Band: 902~928MHz
LoRa Frequency Accuracy ± 10 KHz
LoRa Transmission Power : 2~+20dBm
LoRa Data Rate : 0.244~18.2Kbps
LoRa Sensitivity : down to -137dBm
LoRa Communication Dist. : 2Km
AC Input Voltage : Single Phase, 110~277Vac / 50-60Hz
Max. Switching Load : Max. 1.2A @ 220Vac
Power Consumption : Max. 2W
Surge Protection : 4KV
Enclosure : IP66 (on NEMA Socket)
Dimensions : $\phi 85 \times 108$ mm
Weight : 215g
Storage Temperature : $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Operating Temperature : $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Operating Humidity : 0 ~ 95%

Topology



'5-365-352



jerrypeng@maxlong.com.tw

