

SLD (4G) IOT NETWORK GATEWAY

Cloud-based central management system for automated asset monitoring from anywhere in the world



IOT Over 4G Compatible



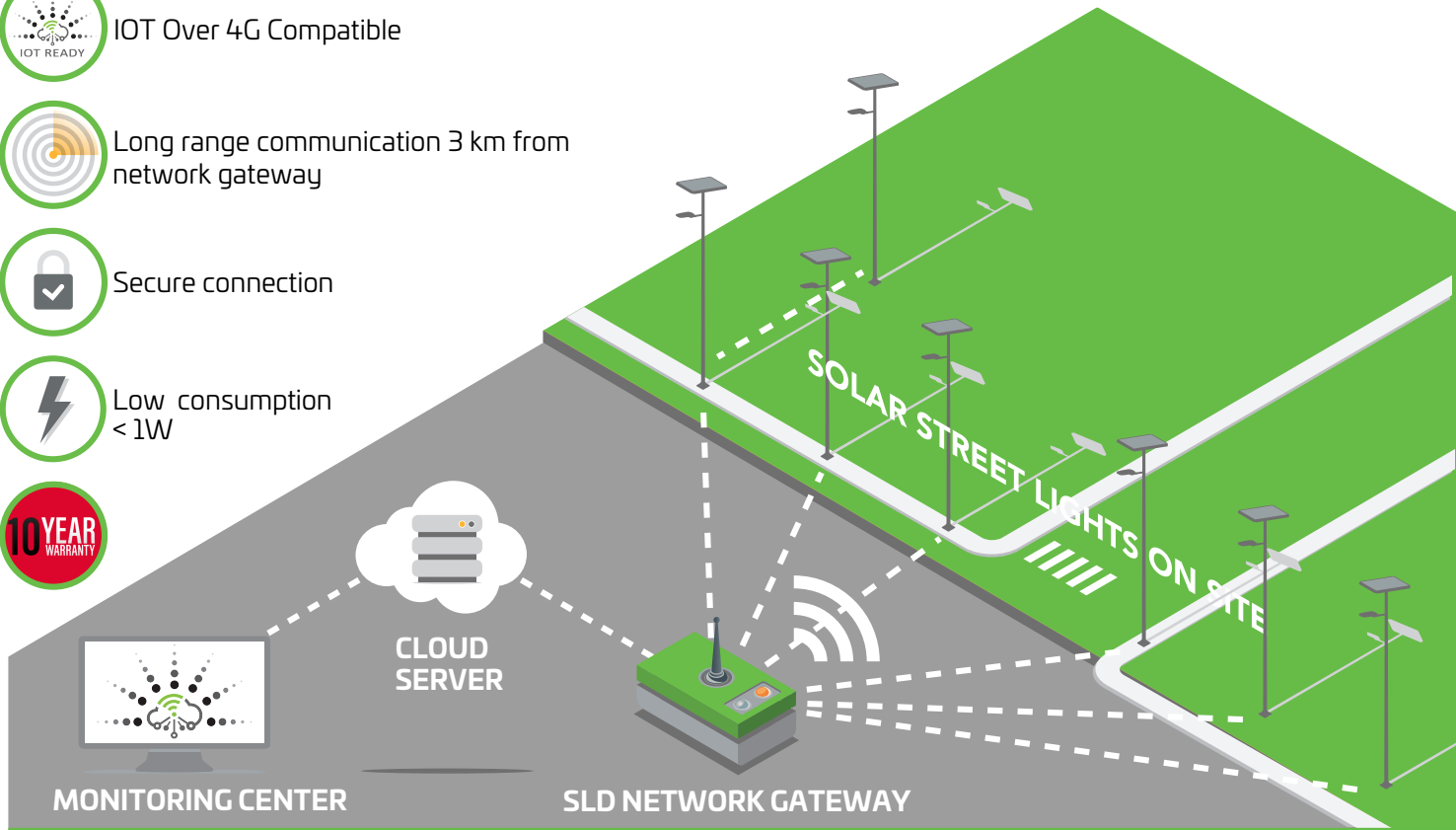
Long range communication 3 km from network gateway



Secure connection



Low consumption < 1W



As part of our continuous effort for to offer the most innovative products Solar Lighting Designs have developed an IOT (Internet of Things) based remote monitoring and control platform for our SLD Modular Pro and SLD Blade Range of solar streetlights. The SLD Network Gateway uses secure 4G technology to monitor and control, in real time, individual or groups of solar streetlights. Our custom designed MPPT solar charge controller has IOT capability preinstalled and is initiated by adding a network gateway. The iNET™ IOT Intelligent Lighting Control System provides an offsite, cloud-based central management system for automated asset monitoring from anywhere in the world. Real time data captured from all connected fittings, monitoring power consumption and generation, individual component status and allows full programming control over of up to 200 grouped or individual light fittings.



Luminaire Height 6 - 8 m

Communication Range 3 km

Solar Panel Wattage 50W

Features

IOT ready 4G gateway

Remote based monitoring and control platform for our SLD Modular Pro and SLD Blade Range

Cloud-based central management system

Control up to 200 light fittings

Post top pivoting knuckle fitting ensuring maximum photovoltaic conversion

Cellular and RF Antenna installed and wired

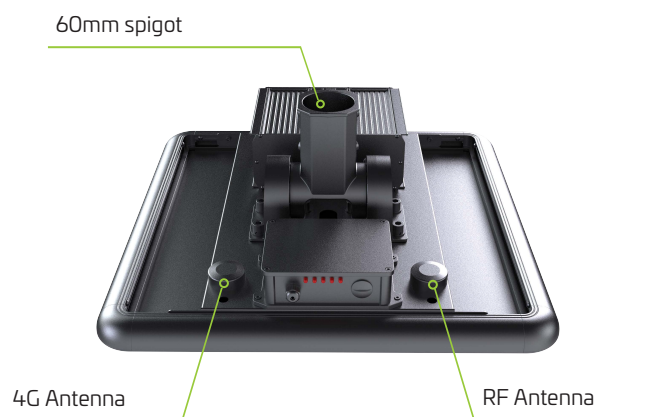
Integrated all-in-one design

Asset monitoring from anywhere in the world

Fully sealed cast aluminium body in a powder coated black finish

10 year warranty for faulty workmanship or component failure not influenced by external means

SLD (4G) IOT NETWORK GATEWAY SPECIFICATION



Applications

Cloud-based central management system for automated asset monitoring from anywhere in the world

Technical Data

| | |
|------------------------|--------------------------------|
| Solar Panel Wattage | 50W |
| Battery Type | LiFePO4 |
| Battery Specifications | 25.6V 24AH (614.4Wh) |
| Autonomy | Setting Dependant |
| Fixture Size | 560 (l) x 550 (w) x 215 (h) mm |
| Recharge | Setting Dependant |
| Mounting Height | 6 - 8 metres |
| Mounting | 60mm column - 60mm spigot |
| Finish | Powder coat satin black |
| Warranty Period | 10 years |
| SKU | SLDPRO/GATEWAY |

Mode of Operation

GLOBAL MANAGEMENT OF CONNECTED ASSETS:

Run diagnosis and control remotely from a monitoring Centre providing real time data on all connected solar streetlights from one screen.

ALARM FAULTS:

Alarms to advise of lamp failure, charging failure, controller short circuit, open circuit, and battery discharge, reducing on site monitoring and maintenance costs.

MODE OF OPERATION PROGRAMMING:

Modify the solar streetlight mode of operation according to your needs or seasonal conditions simply, remotely, and immediately.

As we continue to improve the products function and/or design specifications and data provided may change without notice. Errors and omissions accepted.