

## Product Brief

**Model: LAS-I01**

**Ver.1.3**

### *Smart Siren*



## 1. Description

LAS-I01 is designed to be an IoT smart siren, it is a three-color LED indicator, blue, yellow, and red. Furthermore, a buzzer is included inside to alarm. It could be controlled by LoRa® long-range and low-power wireless connectivity. This indicator could be linked to any other devices via LoRaWAN® network, to show the status of the monitoring system such as temperature, humidity, air quality, etc. It is a great device for the indoor fields like schools, office buildings, greenhouses, factories, hotels, hospitals, transportation lines.

## 2. Features

- Three colors LED Siren
- One buzzer
- Wireless transmission to server
- Easy settings for user from web configuration
- LoRaWAN® protocol class C, supports OTAA or ABP activation (Selected before shipment)

## 3. Applications

- Schools
- Office buildings
- Factories
- Hotels
- Hospitals
- Department Store

## 4. Product Specifications

CORE	
MODEL NAME	LAS-I01
MCU	TLM922S
FLASH	128 KB
MEMORY	16 KB
NETWORK COMMUNICATION	
LoRa	TLM922S
LoRa FREQUENCY RANGE	920.6~928MHz (Default for Japan)
RECEIVING INTERVAL...note1	1 minute(default) Adjustable period, minute base, up to 60 minutes
TRANSMISSION INTERVAL...note1	1 minute(default) Adjustable interval, minute base, up to 60 minutes
LoRa DATA RATE	0.244 ~ 18.2 Kbps
LoRa TRANSMIT POWER	-2~+20 dBm
LoRa SENSITIVITY	-137 dBm
ANTENNA	Embedded 2dBi
I/O	
INTERFACE	Reset button x1 Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch
LED INDICATION	LED indicator x1 (Blue, Yellow, Red)
POWER INPUT	Micro USB power-in DC5V .....note2
MECHANISM	
DIMENSION (MM)	94.7 x 94.4 x 27 mm
WEIGHT (w/o ACCESSORIES)	80
ENVIRONMENT	
OPERATION TEMPERATURE	0°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +70°C
OPERATION RELATIVE HUMIDITY	5%~85% RH (non-condensing)
CERTIFICATE	TELEC, VCCI

Note1: The setting of the receiving interval and transmission interval should be the same.

Note2: There are two types of power adapter, the part numbers are ATM012T-W050UU and PSAA05A-050QL6 separately.

## 5. Mechanical Drawing

