

Product Brief

Model: LAS-I01

Ver.1.2

LoRa 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 DC5Vnote2
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

