

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				
мси	TLM922S				
FLASH	128 KB				
MEMORY	16 KB				
LORA	TLM922S				
LORA FREQUENCY RANGE	920.6~928MHz (Default for Japan)				
RECEIVING INTERVALnote1	1 minute(default)				
	Adjustable period, minute base, up to 60 minutes				
	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					
	Reset button x1				
I/O	Reset button x1 Power input micro-USB x1				
	Power input micro-USB x1				
INTERFACE	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch				
INTERFACE LED INDICATION	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red)				
INTERFACE LED INDICATION POWER INPUT	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red)				
INTERFACE LED INDICATION POWER INPUT MECHANISM	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red) Micro USB power-in DC5Vnote2				
INTERFACE LED INDICATION POWER INPUT MECHANISM DIMENSION (MM)	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red) Micro USB power-in DC5Vnote2 94.7 x 94.4 x 27 mm				
INTERFACE LED INDICATION POWER INPUT MECHANISM DIMENSION (MM) WEIGHT (w/o ACCESSORIES)	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red) Micro USB power-in DC5Vnote2 94.7 x 94.4 x 27 mm				
INTERFACE LED INDICATION POWER INPUT MECHANISM DIMENSION (MM) WEIGHT (w/o ACCESSORIES) ENVIRONMENT	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red) Micro USB power-in DC5Vnote2 94.7 x 94.4 x 27 mm 80				
INTERFACE LED INDICATION POWER INPUT MECHANISM DIMENSION (MM) WEIGHT (w/o ACCESSORIES) ENVIRONMENT OPERATION TEMPERATURE	Power input micro-USB x1 LED indicator x1 (White) for Buzzer on/off switch LED indicator x1 (Blue, Yellow, Red) Micro USB power-in DC5Vnote2 94.7 x 94.4 x 27 mm 80 0°C ~ +50°C				
INTERFACE LED INDICATION POWER INPUT MECHANISM DIMENSION (MM) WEIGHT (w/o ACCESSORIES) ENVIRONMENT OPERATION TEMPERATURE STORAGE TEMPERATURE	Power input micro-USB x1LED indicator x1 (White) for Buzzer on/off switchLED indicator x1 (Blue, Yellow, Red)Micro USB power-in DC5Vnote294.7 x 94.4 x 27 mm80O°C ~ +50°C-20°C ~ +70°C				

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

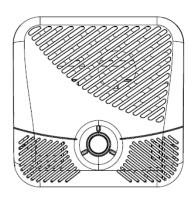
Note2: There are two types of power adapter, the part numbers are ATM012T-W050UU and PSAA05A-050QL6 separately.

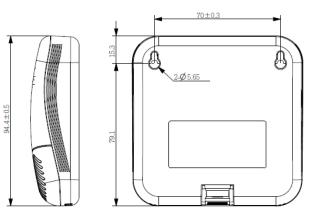


5. Mechanical Drawing









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