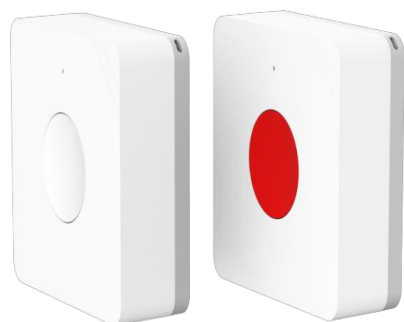


Smart Button

Featuring LoRaWAN®

IOT-S500BT



IOT-S500BT is a LoRaWAN®-based smart button for wireless controls, triggers and alarms. IOT-S500BT supports multiple press actions, all of which can be defined by the user to control devices or trigger scenes. Besides, Linovision also provides a red button that is primarily used to send SOS alarms. Compact and battery-powered, IOT-S500BT is easy to install and carry everywhere. Compliant with Linovision LoRaWAN® gateways and Linovision IoT Cloud solutions, users can know the alarms and use the IOT-S500BT to easily trigger other sensors or appliances remotely via web or mobile Apps.

IOT-S500BT can be widely used in smart homes, smart offices, hotels, schools, etc.

◆ Features

- Support multiple press actions to control devices, trigger a scene or send emergency alarms
- Easily to install or carry with the convenient size
- Built-in LED indicator and buzzer for press actions, network status, low battery indication
- Ultra-wide-distance wireless transmission: 15 km in line of sight scene
- Equipped with NFC for one-touch configuration and support card emulation mode
- Support Linovision LoRa D2D protocol to enable ultra-low latency and directly control without gateway

- Function well with standard LoRaWAN[®] gateways and network servers
- Compliant with Linovision IoT Cloud

◆ Specifications

Wireless Transmission	
Technology	LoRaWAN [®] , LoRa D2D
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class A
Interface	
Button	1 × External Button + 1 × Reset Button (Internal)
LED Indicator	1
Buzzer	Support
Software	
Configuration	NFC Configuration via Mobile App
Advanced Feature	LoRa D2D Controller
Physical Characteristics	
Power Supply	1 × 1650 mAh ER14335 Li-SOCl ₂ battery
Battery Life*	Over 5 years (1080 min interval + 10 presses per day)
Operating Temperature	-20°C to +60°C
Relative Humidity	≤90% (non-condensing)
Ingress Protection	IP30
Dimension	50 × 50 × 18 mm (1.97 × 1.97 × 0.71 in) Button: Φ20 mm (Φ0.79 in)
Material	Anti-flaming Polycarbonate
Color	White (Button: White/Red Optional)
Installation	On the flat surfaces with screws or 3M tapes, Lanyard
Approvals	
Regulatory	CE, FCC, RoHS

* Tested under laboratory conditions and for guideline purposes only.