IPS-K-BT1

BLE Wearable Button

Product Datasheet

Description

The IPS-K-BT1 BLE Wearable Button is designed for Staff Duress & Panic Alert in a variety of settings, including schools, healthcare facilities, and offices.

It is a button that comes with an enlarged SOS button and features IP66 waterproofing and a high-capacity battery, making it ideal for use in any environment.

The button combines ID card recognition and BLE communication in a single integrated design. The BLE wearable button is also equipped with LED indicators and a buzzer, supporting instant alerting, access control, visitor flow management, and more.

Features

- BLE 5.0 technology with 150m transmission range.
- Standard CR80 ID card support with side insertion.
- NFC support,Can be used for access control data entry.
- Enlarged soft rubber button and LED notifications for SOS or programmable functions.
- IP66 waterproof, durable casing for harsh environments.
- Neck-worn with lanyard.

Applications

- Hospitals and nursing homes (staff emergency calls, patient care)
- Corporate offices (access control, employee identification)
- Schools and educational institutions (attendance, visitor management)
- Conferences and events (temporary ID badges, permission control)

Specifications

Physical	
Dimensions (Body)	98.0 × 65.2 × 8.5 mm
Button Diameter	Ø 17.6 mm
Enclosure Material	PC (Polycarbonate)
Color	White Housing, Red Button
Water/Dust Resistance	IP66
Mounting	Lanyard
Standard accessories	Lanyard ×1
Wireless	
Bluetooth Version	BLE 5.0
Max.Tx Power	-4 dBm
Transmission Range (Open Area)	150 m
Hardware	
Accelerometer	Support
NFC	Support
Buzzer	Support
LED Indicator	RGB (Red)
IC Card Slot	CR80-Compatible
Physical Button	1 Soft Button
Power	
Battery Type	Li-Mn Battery CP224147
Battery Capacity	800 mAh
Replaceable Battery	No
Typical Lifespan	3 Years (Default Settings)
Environment	
Operating Temperature	-20 °C ~ +60 °C
Certifications	FCC, CE, RoHS, REACH

Note: Actual wireless range and battery operating time may vary depending on obstacles, the RF environment, volume settings, and usage conditions. Specifications are subject to change without notice.