

NuboMed 诺博



CLEAN
SIMPLE
SMART

Smart Patient Locator V3100



Product specification

Release Date: 2024-11-14

Introduction

Thank you for using the products of Smart medical IoT system produced by NuboMed LLC. NuboMed smart medical IoT system integrates the information of patients and equipment with the hospital platform, integrates the new IOT Smart vital signs monitoring equipment with other manufacturers to digitize patient data, realizes the whole process of health monitoring and management of patients from hospital surgery to ward care, meets the process and standards of smart hospital construction, improves the work process, reduces the work burden of medical staff, and improves the quality of medical service.

This user manual can be used as a material for the training operation and reference of the product model equipment of this IoT system.

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I. Important Instruction

1.1 Statement

Before operating the configuration and use of the IoT devices, please read this manual carefully. Special attention should be given to the safety guidance. These smart IoT devices are considered illegal for any other purposes other than this description.

- Smart IoT devices and software systems can only be operated by trained personnel, and can only be used for the contents specified in this manual and operated according to the instructions in the manual.
- Please maintain and maintain the equipment according to the maintenance instructions in this manual; the equipment can only be repaired by Shenzhen NuboMed Medical Device Co., Ltd. or its authorized service personnel.
- Please do not install this equipment near the electromagnetic interference source.
- Do not change the software and hardware settings of this device.
- Due to the constantly updated products, Shenzhen NuboMed Medical Device Co., Ltd. will retain the right to change the technical specifications without notice.

1.2 Service Environment

- (1) Ambient temperature of equipment installation: 0 ~ 40°C.
- (2) Relative humidity for equipment installation: 10 ~ 90% (no condensation).
- (3) The existence of explosive dangerous medium is not allowed in the place of use, and the surrounding medium should not contain the gas and conductive medium that corrode the metal and destroy the insulation.
- (4) The place of use shall have protective facilities against rain, snow, wind, sand, and ash.

1.3 Configuration

No.	Name	unit
1	Intelligent personnel locator host	1
2	Personnel locator silicone sleeve	1

II. Product Introduction

2.1 Specification

Order Number	Component Name	Sub Modular	Specification Parameters
1	Physical Spec	Dimensions	Diameter 34mm; thickness 8mm
		Weight	≤8g
		Bluetooth tech	BLE5.3
		BLE Frequency	2.400-2.483GHz
2	Specification	Positioning Method	*Need Bluetooth base station support
		Update Rate	1Hz (configurable)
		Positioning Accuracy	<1m, AoA 2~6m, RSSI
		Positioning Time	<1s, AoA 10~30s, RSSI
3	Function	One key alarm	When the user presses, call information can be displayed on the dashboard.
		LEDs	LED flashes during charging.
		Water Resistant	IPx6
		OTA	Update the firmware through Bluetooth.
		Disinfection Method	Alcohol wiping.
		Battery	Built-in Li-On rechargeable.
		import	5V, 0.5A
		Battery Life	7days@1Hz updata rates

5	FCC	FCC ID	2BK7P-V3100
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2.2 Explanation of the key structural components

- (1) Intelligent personnel locator device, structure two parts: host and silicone sleeve, need to use silicone sleeve to fix the host before use;
- (2) Intelligent personnel locator device is set with a key alarm button: the indicator light flashes for one second, the alarm is successful;
- (3) The first time you use it, you need to enter the charging box to charge and then use it, such as the device meets the background low battery alarm, you need to charge in time, charging the device directly into the charging box in the corresponding position to enter the charging state, after charging will automatically open and continue the charging of the previous information.

III. Common fault

Common problem	Fault description	Solution
The button is not responsive	The device did not work properly and was not successfully connected.	<ol style="list-style-type: none"> 1. Within the coverage range of the gateway, try to scan the code for binding again; 2. Try putting the charging case again and take it out again; 3. Please check the equipment for damage; if there is any damage, please contact the engineer for replacement.

IV. Matters need attention

4.1 Precautions

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two

conditions:

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

4.2 Use the pre-test

- Check whether the single device and the interconnection system are working normally.
- Check whether the whole network data upload is normal.

V. Clean instructions

- Please clean the equipment with a gentle cleaner. Do not use corrosive detergent, solvent, wax, paraffin, or steam cleaning products.

- Test method for detergent suitability: Users can reduce the damage to the product surface by reducing the exposure time and cleaning agent usage (diluted according to the suppliers recommendation).
- Local contamination of colored substances, such as iodophor, coffee, mustard, curry or red wine, must be removed immediately.

VI. Service Commitment

Our company has established a series of complete strict quality control system, the production of product quality, but because of the product is Smart equipment, if not in accordance with the procedures, will be wrong or damage, therefore, we must remind you, please you are sure to read and understand this manual, and then in strict accordance with our equipment operation.

If you feel that there is any improvement in our smart series products, or if you have any comments or suggestions on our products, you are always free to ask us, we will answer your questions with the most sincere attitude and solve your problems as soon as possible.

Smart Patient Locator

Version: V1.0



Nubomed LL

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