

# **B1 Dex Products Manual Book**

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# Chapter 1 Summarize

## 1.1 Introduction

Product Name	B1 Dex
Product module	B9

## 1.2 Work principle

Transmit the level signal of the RS232 in vending machine via Bluetooth to the Mobile.

## 1.3 Usage scenarios

The B1 Dex device is mostly used to connected with the vending machine and the mobile. The external communication port of the vending machine is plugged with this devise which connected with the mobile phone to complete the exchange of the data communication between the vending machine and the mobile,whose purpose is changing the delivery management of the outlets and achieve seamless electronica data interchange and the real-time checking, increasing the delivery efficiency.

## 1.4 The advantage

1. Fast connection via Bluetooth and easier for work to have a seamless connection.
2. Lithium-ion batteries which are rechargeable.
3. Ultra-lower power design for a long period of time;
4. Compact and easy to carry.

## Chapter 2 Product specifications

### 2.1 Hardware specifications

#### 2.1.1 Status indicator

Item	Description	Memo
Status indicator	Green light: Charging Red light: Lower power	

#### 2.1.1 External charging port

Item	Description	Memo
Communication &Charging Port	1. Plug into the vending machine to achieve the communication data exchange. 2. Charging port.	

#### 2.1.2 Charging

Name	Description	Memo
Charging	With the charging function.	

### 2.2 Parameter specifications

#### 2.2.1 Lower battery alarming

Items	Description	Memo
Lower battery alarming	With the lower battery alarming function.	

## 2.2.2 Serial communication

Name	Description	Memo
Serial communication	Provide the 232 serial port to communicate with the external device.	

## 2.2.3 Bluetooth communication

Items	Descriptions	Memo
Bluetooth	Provide the blue-tooth communication with the external device.	
Bluetooth	<b>Module Brand:</b> RF-Star; <b>Module:</b> RF-BM-4077B1L; <b>Clip Module:</b> CC2640R2L; <b>Voltage:</b> 1.8 ~ 3.8 V, <b>Advised:</b> 3. 3V; <b>Frequency range:</b> 2402 MHz - 2480 MHz; <b>Transmission power:</b> -21 dBm ~ +5 dBm (Normal: 0 dBm Output); <b>Receiver sensitivity:</b> - 97 dBm;	

## 2.3 Electrical specifications

Items	Description	Memo
External power	5V/1A	
Power supply	3.7V/300mAh	

Charging time	Less than 2hs and 30mins	
Discharge cycle	More than 40 hs	

## 2.4 Other specifications

Items	Descriptions	Memo
Working temperature	-20℃～60℃	
Operation humidity	0%～90%RH	
Size	100mm(L)*49mm(W)*34mm(H)	

## 2.5 Accessory specifications

Items	Description	Meno
Charging cord	0.5m/Dark/USB-Audio header(Female)	

## FCC Information and Copyright

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.

### 15.19 Labelling requirements.

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

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC 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.