BP310

WIRELESS BARCODE SCANNER

CAUTION

LED radiation do not stare into beam, avoid direct eye exposure.

The battery used in this device may present a risk of fire or chemical burn if mistreated. Dispose of used battery promptly. Keep away from children. Do not disassemble and do not dispose of in fire. Delivered for recycling

Failure to use the product in accordance with regulations may result in personal injury and property damage. Do no disassemble, knock, puncture, or damage this product. Please use the product correctly according to the user manual.

The battery used in this device may present a risk of fire or chemical burn if mistreated. Dispose of used battery promptly. Keep away from children. Do not disassemble and do not dispose of in fire. Delivered for recycling.

Replacement of a BATTERY with an incorrect type that can defeat a SAFEGUARD (for example, in the case of some lithium BATTERY types).

Disposal of a BATTERY into fire or a hot oven, or mechanically crushing or cutting of a BATTERY, that can result in an EXPLOSION.

FCC Warning Statement"
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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:
1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Directory

1. Product specifications

General	
Bluetooth Profile	BLE HID over GATT
ZEBRA SE4107 Barcodes supported (1D)	All UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full ASCII, Code32 / Italian Pharmacode, Code 128, Codebar/NW7, Interleave 2 of 5, Industrial 2 of 5, Matrix 2 of 5, MSI/PLESSEY, Telepen, Code 11, China Postage, GS1 , DataBar
Barcodes supported (2D)	Postal Codes, PDF417, Aztec, Composite, TLC39, Data Matrix ECC GS1, QR Code, Micro QR GS1 QR

Optical		
Optical Sensor	CMOS, 1280 x 960 pixels	
Field of View	Horizontal: 44.5°, Vertical: 33.5°	
Skew, Pitch & Roll	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°	
Light Source	Aiming LED- Green LED , Illumination - 1 Warm-White LED	
Decode Ranges	Near Distance, typical	Far Distance, typical
5 mil Code 39	2.4 in / 6.1 cm	9.5 in / 24.1 cm
5 mil Code 128	2.8 in / 7.1 cm	9.0 in / 22.9 cm
6.67 mil PDF 417	2.4 in / 6.1 cm	8.0 in / 20.3 cm
10 mil DataMatrix	2.9 in / 7.4 cm	8.5 in / 21.6 cm
100% UPCA	1.8 in / 4.6 cm	19.5 in / 49.5 cm
15 mil QR	1.2 in / 3.0 cm	11.5 in / 29.2 cm
20 mil QR	1.2 in / 3.0 cm	14.0 in / 35.6 cm
Focal Distance	From front of engine: 6 in/ 15.24 cm	
LED Classification	Exempt Risk Group LED product per IEC/EN 62471	

Communication	
RF Standard	BT 5.0 Class II

Charge Electrical	
Ratings	5.0Vdc, 500mA
Connector	USB2.0 Micro-B

Environment	
Operating temperature	Discharging 0℃ ~ 40℃ , Charging 0℃ ~ 30℃
Storage temperature	-20℃ ~ 20℃ (Less than 1 year) -20℃ ~ 40℃ (Less than 3 month) -20℃ ~ 50℃ (Less than 1 month)

Physical	
Weight	300g
Dimensions	84*64*28mm
Battery	
Battery Type	Rechargeable Lithium-ion Battery Pack
Model Name	ETIBP310
Battery Capacity	1000mAh
Ratings	3.7Vdc, 1000mAh/3.7Wh
Buzzer Behavior	
BT Connected Read	2 Short Beep / LED Blue light always on
BT Disconnected Read	3 Short Beep / LED Blue and Green light flashing
Operation System	
Operating System	Linux

Model	Product Name	Quantity
BP310(BCR)	WIRELESS BARCODE READER	1set
BP310(Docking)	WIRELESS BARCODE MOUNT	1set
Package		

Manufacturer's name：International Game Technology PLC (IGT)
Manufacturer's address：55 Technology Way West Greenwich, RI 02817 United States

2. Operating Instructions

1. Power on
Button 1s boot mode.

2. Shut down
Press the button for 10s to enter shutdown mode.

3. Pairing
3-1. When there is no pairing information, the blue light flashes once every two seconds, and pairing can be performed at any time.
3-2. In the case of pairing information, the blue light will flash once a second. It is necessary to delete the pairing information before re-pairing.

4. Delete pairing information
4-1. To delete the pairing information, you need to shut down the scanner first. In the shutdown mode, press and hold the button for five seconds, and the machine will beep twice to remind you that the pairing information has been deleted, and then you can pair again.

5. Scan
Button scanning, or issuing scanning instructions through the HOGP protocol.
Scanning result prompt: Buzzer:
1. The buzzer beeps once (in the connected state)
2. The buzzer beeps three short times (in the disconnected state).
LED:
The scanner is decoding correctly, and the green light will flash once, indicating that the decoding is successful.

6. Battery charging indicator
Wired and wireless charging: When the battery enters the charging state, the red LED will enter the constant light until it is fully charged and the red LED will be turned off.

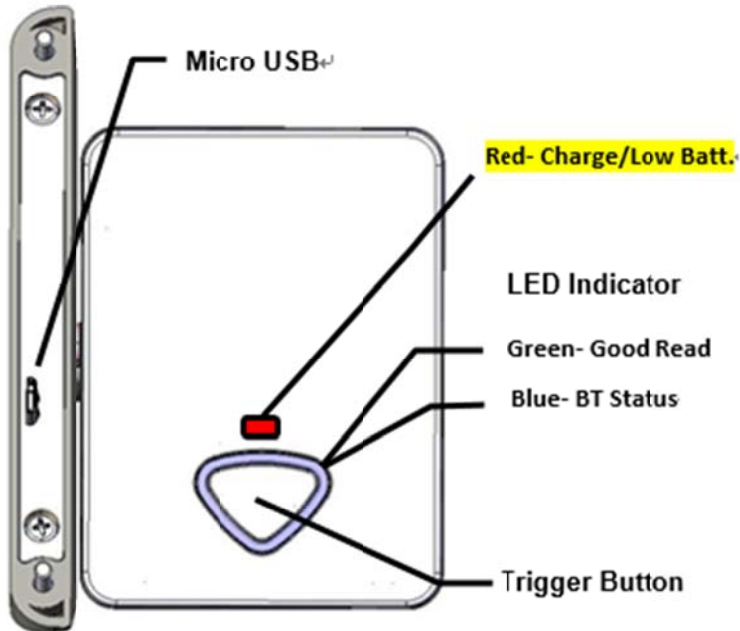| |
|---|
| *7. Low voltage reminder* |
| 7-1. When the system battery voltage is lower than 3.7V, the scanner will emit a long beep, and the red LED will start to flash continuously. |
| 7-2. When the system battery voltage is lower than 3.4V, the battery will be forced into protection mode and the battery output will be turned off. |
| 7-3. When the battery is recharged and the voltage is higher than 3.5V, the battery will leave the protection mode and resume power supply. |

3. Overview

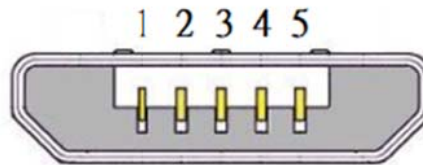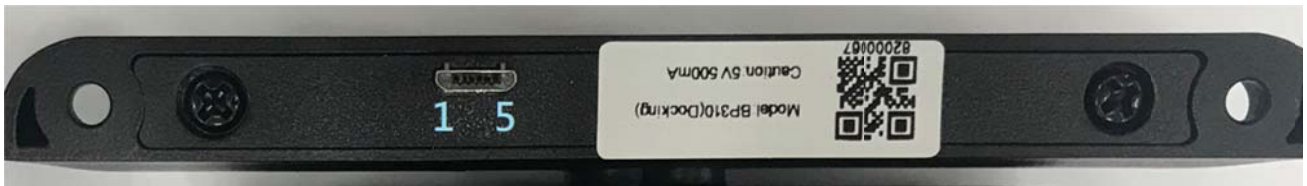Top View: Bottom View:

Micro USB

Red- Charge/Low Batt.

LED Indicator

Green- Good Read

Blue- BT Status

Trigger Button

4. Interface Connectors

- Micro-B USB male on Docking for POS Terminal

1 2 3 4 5

Pin	Name	Cable color	Description
1	VCC	Red	+5 VDC
2			
3			.
4			
5	GND	Black	Ground

Caution 5V 500mA
Model BP310(Docking)
8200016?

1 5

- Micro-B USB Female on BCR

1 5

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5. Product appearance photos

Outside#1

Inside#2