



# UHF Scanner

This is a powerful UHF Scanner that supports both UHF RFID and 2D scanning. Adopting self-developed UHF RFID modules based on the latest Impinj E310 chip and offering excellent single-tag read/write performance, it can read various electronic tags on the market fast and accurately with 7-100cm reading range. The scanner also supports high-performance barcode scanning which can scan barcodes in all conditions, no matter whether they are scratched, dirty, damaged, poorly printed or displayed on the screen. The scanner can be widely used in retail chains, inventory management, warehouse logistics, manufacturing, and other application scenarios.



# Specification

| Physical Characteristics |                                                      |
|--------------------------|------------------------------------------------------|
| Dimensions               | 154.0 x 87.8 x 65.0mm / 6.46 x 3.43 x 2.56in.        |
| Material                 | Plastic                                              |
| Keypad                   | power key / scan key                                 |
| Battery                  | 2600mAh (Wireless Version)                           |
| Button                   | UHF、 2D、 UHF or 2D                                   |
| LED Indicator            | Function: 1 for UHF, 1 for 2D                        |
|                          | Status: 2 in total, 1 for UHF, 1 for 2D              |
|                          | Power: 1                                             |
|                          | Bluetooth: 1                                         |
| Buzzer                   | Voice prompt                                         |
| Ethernet Interface       | RJ45 interface, HID USB<br>BT HID (Wireless Version) |

## Communication

|           |                                                   |
|-----------|---------------------------------------------------|
| Bluetooth | Bluetooth Low Energy (BLE) 5.0 (Wireless Version) |
|-----------|---------------------------------------------------|

## User Environment

|          |      |
|----------|------|
| Dropping | 1.5m |
|----------|------|

## Data Collection

### Barcode Scanning

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Scan Engine    | 2D Scanner                                                              |
| Min.Resolution | Code 39 – 4mil、 UPC – 7.8mil (60%)、<br>PDF417 – 5mil、 Datamatrix – 5mil |

### UHF

|                        |                                      |
|------------------------|--------------------------------------|
| Engine                 | Based on Impinj E310                 |
| Protocol               | EPCglobal C1G2 (ISO18000-6C)         |
| Frequency              | 920-925MHz / 902-928MHz / 865-868MHz |
| Output Power           | 1-25dBm                              |
| Output Power Precision | ±1dBm                                |
| Output Power Flatness  | ±1dBm                                |
| Antenna                | Circular Polarized Antenna           |
| R/W range              | 7-100cm (30cm is recommended)        |

### Accessories (Optional)

|              |                                                   |
|--------------|---------------------------------------------------|
| USB Cable    | 1 * USB-RJ45, 2M<br>1 * TYPE-C (Wireless Version) |
| Power Supply | 5V 2A                                             |