# SR160

## UHF Scanner

Chainway SR160 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, SR160 can read various electronic tags on the market fast and accurately with a maximum reading range of more than 30cm. 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. SR160 can be widely used in retail chains, inventory management, warehouse logistics, manufacturing, and other application scenarios.

# Specification

## Physical Characteristics

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|---|---|
| **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 |

## Communication

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

## User Environment

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

## Data Collection

### Barcode Scanning

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

### UHF

| | |
|---|---|
| **Engine** | CM-3N module 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** | >30cm (Tag: Alien H3) |

## Accessories (Optional)

| | |
|---|---|
| **USB Cable** | 2m, 1 * Type-A, 1 * RJ45 |
| **Power Supply** | 5V 2A |