

## UHF | RAIN - Scanner Chainway - SR160

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Up to 25 dBm (1 W) output power
- Integrated antenna (up to 50cm reading range)
- USB or Bluetooth LE 5.0 interface
- 2D Barcode Scanner integrated



### UHF | RAIN - RFID & Barcode Handheld Scanner

Chainway's SR160 is a powerful UHF Scanner that supports both UHF RFID and 2D scanning. Adopting self developed UHF RFID modules based on the Impinj E310, supporting Impinj Gen2X for excellent single-tag read/write performance. The SR160 UHF handheld scanner can read various electronic tags on the market fast and accurately with 7-100cm adjustable 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 SR160 can be widely used in retail chains, inventory management, warehouse logistics, manufacturing, and other application scenarios.

#### Common Applications

- Point of Sales
- Logistic
- Inventory Control
- Assembling Stations

**CHAINWAY**  
Powering Intelligence at the Source



## TECHNICAL SPECIFICATIONS

### Physical Characteristics

Dimensions	154.0 x 87.8 x 65.0mm
Material	Plastic
Keypad	power key / scan key
Battery	2600mAh (Wireless Version)
Button	UHF and 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 BT HID (Wireless Version)

### Communication

Bluetooth	Bluetooth Low Energy (BLE) 5.0 (Wireless Version)
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### User Environment

Dropping	1.5m
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### Data Collection / Barcode Scanner

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

### Data Collection / UHF

Engine	CM-3N module based on Impinj E310
Impinj Gen2X	Supported
Protocol	EPCglobal C1G2 (ISO18000-6C)
Frequency	920-925MHz / 902-928MHz / 865-868MHz
Output Power	1-25dBm
Output Power Precision	+/- 1dB
Output Power Flatness	±1dBm
Antenna Detector	Supported
Antenna	Circular Polarized Antenna
R/W range	7-100cm (30cm is recommended)

### Accessories (Optional)

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

### Part No. / Model

4255892700170	Chainway SR160 (wired)
4255892700187	Chainway SR160 (wireless)