CHAINWAY®

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SMART & GREEN



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 Impinj E Series chips, supporting Impinj Gen2X for excellent single-tag read/write performance. SR160 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. SR160 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 BT HID (Wireless Version)

Communication

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

User Environment

Operating Temp.	-4 °F to 122 °F / -20 °C to 50 °C
Storage Temp.	-40 °F to 158 °F / -40 °C to 70 °C
Humidity	5% RH - 95% RH non condensing
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	Based on Impinj E Series chips
Impinj Gen2X	Supported
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 1 * TYPE-C (Wireless Version)
Power Supply	5V 2A

Notice: Product specifications are subject to change without prior notice. / Model: SR160 / Update Date: 2025-09-15

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