Technology Solutions for Retail

SR160

UHF Scanner





The SR160 is a powerful UHF scanner that supports both UHF RFID and 2D scanning. Using in-house UHF RFID modules based on the latest Impinj E310 chip and delivering excellent single-tag read/write performance, the SR160 quickly and accurately reads the wide variety of electronic tags on the market, with an adjustable read range of 7 to 100 cm. The scanner also offers high-performance barcode scanning, able to read barcodes in any condition, whether scratched, dirty, damaged, poorly printed or shown on a screen. The SR160 is widely used in retail chains, inventory management, warehouse logistics, manufacturing and other application scenarios.





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Specifications

Physical Features

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
Notifications	Voice prompt
Ethernet interface	RJ45 interface, USB HID BT HID (Wireless version)

Communication

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

Drop	1.5m

Data Collection

Barcode Scanning

Scan engine	2D Scanner
Min. resolution	Code 39 – 4mil、UPC – 7.8mil (60%)、 PDF417 – 5mil、Datamatrix – 5mil

UHF

Motor	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 accuracy	±1dBm
Output power flatness	±1dBm
Antenna	Circularly polarized antenna
R/W range	7-100 cm (30 cm recommended)

Accessories (Optional)

USB cable	1 * USB-RJ45, 2 m 1 * TYPE-C (Wireless version)
Power supply	5V 2A

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