UHF Swing Reader

Bluetooth   1D Barcode   2D Barcode   UHF

This is a newly-developed handheld data collection device with stylish design and incredible performance. It delivers superior UHF reading and writing, barcode scanning, transmits data to the data center via Bluetooth with ease. It can complete tasks in inventory management, asset management, and inspection etc.

Specification

Physical Characteristics

Dimensions	282x117.5x32mm / 11.10x4.63x1.26in
Weight	334g/11.78oz (with battery)
Colour	White
Appearance material	Plastic
Keypad	PWR button (side), up, down, return, ok, SCAN button (front)
Power	Battery specification: 5200mAh 4.35V
	Standby: over 70 hours (keeping bluetooth connected)
	Continuous use: up to 6 hours (UHF reading)
	Charging time: 3-4 hours (with standard adaptor and USB cable)
Display	1.77 inch, 128X160
Indicator LED	Power ,Work,Bluetooth
Buzzer	Support
Interfaces	Micro-USB

Performance

MCU	Cortex-M3
	72MHz
Storage	50000 tags

User Environment

Operating Temp.	-20℃~+50℃
Storage Temp.	-40℃~+70℃
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m/4.9ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
ESD	±15KV air discharge, ±8KV conductive discharge

Developing Environment

SDK	Android / IOS
Tool	Android Studio / Xcode
Language	Java / Objective-C

Communication

Bluetooth	Bluetooth 4.0, BLE

Data Collection

Barcode Scanning (Optional)

2D Imager Scanner	SE2707
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

UHF

Engine	Based on Impinj Indy R2000
Antenna	Linear Polarized antenna (4dBi)
Frequency	920-925MHz/902-928MHz/865-868MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Module power	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, for Lati America, etc.)
R/W range	>28m(indoors);>12m(open outdoors)
Reading rate	>200tags/s

* Ranges and rates depend on tags and environment