UHF RFID Sled Reader S1

Handheld RFID and Barcode Reader

This device features powerful UHF reading and writing, and barcode scanning with high sensitivity. You can attach mobile phone to S1 for a complete one-piece solution. The device can be widely deployed in power patrol inspection, asset tracking, clothing inventory, warehouse management, vehicle management, financial management and so forth.

Sled Reader with Customized Holder

Sled Reader

Sled Reader with Mobile Case

SPECIFICATIONS	
PHYSICAL CHARACTERISTICS	
Dimensions	143x76x140mm / 5.63x2.99x5.51inch
Weight	Sled Reader: 483g/17.04oz
	Sled Reader with Mobile Case: 453g/15.98oz
	Sled Reader with Customized Holder: 500g/17.64oz
Power	Battery specification: 5200mAh
	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)
Interfaces	USB3.0 Type-C
Buzzer	Support
Indicator LED	Power ,Work, Bluetooth
Material	Plastic
Size of adapted phone	Width 68~80 mm, thickness ≤ 10 mm
	Others: Based on phone case or holder
PERFORMANCE	
MCU	Cortex-M3 / 72MHz
COMMUNICATION	
Bluetooth	Bluetooth 4.0, BLE

USER ENVIRONMENT	
Operating Temp.	-20℃~+50℃
Storage Temp.	-40℃~+70℃
Humidity	5%RH - 95%RH non condensing
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
ESD	±15KV air discharge, ±8KV conductive discharge

DATA COLLECTION	
UHF RFID Reader	
Engine	Based on Impinj Indy R2000
Antenna parameter	Circular Polarized Antenna (3dBic)
Frequency	920-925MHz/902-928MHz/865-868MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Power	1W (30dBm, support +5~+30dBm adjustable)
	2W Optional (33dBm, for Lati America, etc.)
R/W range	>22m(indoors); >10m(open outdoors, Impinj MR6 tag)
Reading rate	>200tags/s

BARCODE SCANNER (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.