

# RF99

UHF RFID Sled Reader



## 1. Advantages



### Top Class Materials

CNC aluminum, PC+ABS (SABIC) body offer excellent strength + heat dissipation + electromagnetic shielding features. Soft material around the handle offers a comfortable grip.



### Bluetooth 5.0

Supports Bluetooth 5.0, faster transmission speed and longer connection distance.



### Super stable fixed design of external equipment

The design of ultra-high stability mechanical knob is adopted to break the routine and ensure the high reliability of external equipment fixation.



### High-end UHF RFID Engine

Equipped with self-developed RFIDbazaar HD5 module based on Impinj R2000 chip, offering the best performance and excellent multi-tag identification ability in the industry.



### Outstanding Industrial Design

The appearance is compact, elegant and balanced, which makes the product eye-catching and impressive.



### Excellent Mechanical Protection

Safety drop height 1.2m. With IP64 protection grade to resist dusts and splashes effectively.



### Industrial-grade components + super long life cycle

Industrial-grade and military-grade components ensure stable operation in harsh environments. Over ten years of supply can be offered, which provides guarantee for the long term projects.



### Ultra Long Operating Time

Pistol style hot-swappable battery system makes backup battery more convenient to be restored, so that the operating time is unlimited.( extra batteries are available )

## 2. Product View



### 3. Electrical Parameters

Mechanical parameters	
Materials	CNC aluminum, PC + ABS (SABIC)
Dimensions	162*138*78mm
Weight	520g (battery included/standard version)

System Characteristics	
Hotswapping Battery Buttons	Pistol style hotswapping battery system
Power	3 ALPS buttons/ Operating force 2.5N / Operating life 1 million cycles
Scan Trigger	OMRON button / Operating force 1.27N/ Operating life 10 million cycles
Power	6,000mAh chargeable li-polymer battery
USB Interface	USB TYPE C/Operating life 10,000 cycles
Audio	Large speaker stereo system
Charge Indicator	Bicolor LED





Application Environment	
Operating Temp	-20° - +60°
Storage Temp	-30° - +70°
Humidity	5%RH - 95%RH (non -condensing)
Protection Grade	IP64
Safety Drop Height	1.2m

Wireless Communications	
Bluetooth	Bluetooth 5.0

Data Collections	
1D Barcode	<span style="color: blue;">Optional</span> ✓
Engine	Motorola EM1350
Support	UPC/EA Symbol SE955N/Code128/ Code39/Code93/Code11/ Interleaved 2 of 5/ Discrete 2 of 5/ Chinese 2 of 5/Codabar/MSI/ RSS.etc.

2D Barcode	<span style="color: blue;">Optional</span> ✓
Engine	Zebra SE4750, NLS EM3396, EM3296
Support	Data matrix / QR Code / PDF417 / US Planet / UK Postal, etc.

UHF RFID	
Engine	RFIDbazaar HD5 module based on Impinj Indy R2000 chip
Buzzer	Ø 12*9.5mm / 2300±300Hz
Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C / ISO 18000-6B
Frequency	902-928MHz , 865- 868MHz <span style="color: blue;">Optional</span> ✓
Output Power	0~33dBm
Peak Inventory Speed	> 500 tags /s
UHF Antenna	4dBi air dielectric antenna
Read Distance	> 10m
Supported Regions	US, Canada and other regions following US FCC Europe and other regions following ETSI EN 302 208 China, Korea, Malaysia

Accessories			
			
Battery	Desktop charger <span style="color: blue;">Optional</span> ✓	Charger and Data cable	Hanging Lase