



**UR90**  
UHF RFID  
handheld reader

## FEATURES

### Outstanding RFID performance.

Combining a high performance UHF RFID reader chip with the ingenious software, the UR90 can read over 150 tags per second with a long read range of up to 6 meters.

### Operator-friendly pistol grip.

For easy operation, the UR90 RFID reader is designed as an ergonomic pistol grip handle.

### Diverse functionalities.

With support for the MT90 mobile computer, the UR90 can seamlessly integrate 1D/2D scanning / Bluetooth / WiFi / 4G functionalities to meet various application needs.

### Industrial-grade durability.

The UR90's rugged housing is sealed to IP65 standards for protection against dust and water and withstands 1.2m drops to concrete.

### Application Scenarios

logistics • warehouse management • retail chains • food traceability • manufacturing  
• electricity meter reading • inventory counting.

# UR90

## UHF RFID handheld reader

newland-id.com

Physical	Dimensions	160(W) × 82(D) × 165(H)mm
	Weight	330g
	Notification	Speaker, vibrator
	Battery	4500mAh
	User Input	Trigger on pistol grip
UHF RFID	Read Range	>12M (Indoor); >6M (Outdoor open space) (@ Alien 9662) (Read range can be affected by tag and environment)
	Read Rate	≥150 tags/sec
	UHF Module	SLR1200, based on Impinj Indy R2000
	Antenna	Circularly polarized antenna (3dB)
	Frequency Range	ETSI (Europe): 865-867MHz Other frequency band support (customizable upon request)
	Standards Supported	EPC Class 1 Gen 2 (ISO 18000-6C)
Environmental	Operating Temperature	-20°C to 50°C (-4°F to 122°F)
	Storage Temperature	-30°C to 70°C (-22°F to 158°F)
	Humidity	5% to 95% (non-condensing)
	Static Discharge	±15 kV (air discharge), ±8 kV (direct discharge)
	Drop	1.2m
	Sealing	IP65
Communication	Host Terminal	MT90
	Host Connection	8-pin connector

Specifications are subject to change without notice.

Version: Preliminary

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