RP100
Handheld 2D RFID Sled

Engineered for performance and speed, the Unitech RP100 takes RFID and barcode reading next level with a lightweight handheld reader. The RP100 offers the ability to switch from barcode scanning to RFID reading quickly and simply with the addition of a rugged mobile computer. With the addition of the Unitech EA500 mobile computer, the RP100 becomes a lean, mean data collection machine. Read up to 600 tags per second with ease and take the guesswork out of inventory checking with a reliable device. The RP100 is ideal for warehousing, inventory management, and small to medium business environments.

RFID applications fueled by the Unitech EA500
RFID (radio-frequency identification) uses electromagnetic fields to automatically identify and track tags. This makes checking stock easier than counting piece by piece or box by box. The RP100 comes with a specially designed attachment for the EA500. Once inserted, the RP100 & EA500 is ready for both barcode and RFID/UHF reading.

Warehousing & in-store inventorying at its best
Picking large orders and checking large inventory from near to far is an easy task thanks to the integration of the EA500 devices. The gun grip makes for easy and portable use and the wide range in RFID frequencies make this a widely applicable device.

Portability and durability
Durable enough to withstand drops of up to 5-feet onto a steel plate and workable in hot and cold environments; the coupled EA500 and RP100 reads 1D and 2D barcodes as well as EU frequencies ranging from865 to 868 Mhz. It features micro-USB to communicate flawlessly with the EA500 or any other scanning device with Bluetooth 4.1. The sled is packaged with a long-lasting 5200 mAh battery for extended usage.

Main Features:
• Optional 1D and 2D scanning capabilities (with EA500)

• Reads RFID tags up to 16 feet away

• Up to 600 tags per second

• Adjustable antenna output power for near to far reading

• 5200 mAh rechargeable Li-ION battery.

• High-capacity rechargeable lithium battery

• Over 6,000 scans on a single battery charge

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Operating System

CPU	ARM7 Core

Data Capture

Barcode (optional)	1D or 2D Imager Barcode Scanner
RFID (UHF)	902 - 928 Mhz (US)
	865 - 868 Mhz (EU)
	916 - 921 Mhz (Japan 1W LBT)
	916 - 923 Mhz (Japan 0.25W LBT)
Tag Reading Speed	Up to 600 tags per second
Reading Range	0m - 5m
Protocol	GEN2, ISO/IEC 18000-6

Audio

Buzzer

Environmental

Operating Temperature	- 4° F to - 76° F (-20° C to 60° C)
Storage Temperature	-22° F to 158° F (-30° C to 70° C)
Humidity	5% to 95% (non-condensing)
IP Rating	IP65
Drop Durability	5 feet (1.5M)

Enclosure

Weight	14.8 oz (420g) including battery

Dimension

76.1 mm x 173.7 mm x 139.8 mm
(without holder for EA500/502)

Gun Handle

Gun Handle with Battery Li-ION 3.7V,
5200mAh, Rechargeable

Communication

Mount (optional)	QUAD LOCK Mount Mechanism
USB	Type-C
Wireless	2.4Ghz Wireless

Additional Features

LED x 3, Buzzer and Vibrator

Certifications

CE & RED certified

RoHS

Warranty

Device	1 year
Battery	3 months

Accessories

Standard Interface Cradle, Charge Only, USB Type-C
USB Type-C Cable
Hand Strap
Gun Grip