

HANDHELD & BLUETOOTH RFID READERS

U520-M Handheld UHF RFID Reader with OLED Display, 0–35 cm

The U520-M is a handheld UHF RFID reader with a ring antenna, one scan button and a 0.91-inch OLED that shows each tag ID. It reads ISO 18000-6C tags at 0–35 cm, keeps up to 128 records and uploads them in real time or as a batch over USB 2.0, 2.4G wireless or Bluetooth.

- Tag ID on the device — the 0.91-inch OLED shows each read, so staff can check a tag without a phone or PC nearby.
- Real-time or batch upload — send each read to the host at once, or store up to 128 records and upload them later.
- Wired or wireless upload — USB 2.0 cable, 2.4G wireless receiver or Bluetooth; the links fitted to your units are confirmed in your quotation.
- Ring antenna, one button — reads ISO 18000-6C UHF tags at 0–35 cm, depending on the tag.
- 120 g, battery powered — 3.7 V rechargeable lithium battery; the reader powers off after 120 s idle.
- Display language — English as standard; other languages on request for private-label projects.



General	
Model	U520-M
Form factor	Handheld with ring antenna, 0.91-inch OLED and one scan button
Frequency	UHF 915 MHz band (902–928 MHz)
Housing colors	Black or white with blue ring

Cards & reading	
Protocol	ISO 18000-6C
Supported tags	ISO 18000-6C UHF tags
Read mode	Read-only (tag ID)
Read range	0–35 cm (depends on tag)
Read time	< 100 ms

Interface & output	
Host connections	USB 2.0; 2.4G wireless; Bluetooth
Data output	Tag ID on screen; real-time upload or batch upload of stored records
Memory	128 records
Display	0.91-inch high-brightness OLED
Display language	English (customizable)
Feedback	Buzzer

Physical & environment	
Power	3.7 V rechargeable lithium battery
Auto power-off	After 120 s idle
Weight	120 g
Package size	185 × 120 × 30 mm
Operating temperature	-10 °C to +50 °C
Storage temperature	-30 °C to +70 °C

Works with

- ✓ ISO 18000-6C (EPC Gen2) UHF labels and tags: tag ID read at 0–35 cm
- ✓ Upload to a host by USB 2.0 cable, 2.4G wireless receiver or Bluetooth
- ✓ Offline use: up to 128 stored records for later batch upload

Not designed for

- ✗ Writing or encoding UHF tags: use the U120-U desktop reader/writer
- ✗ 134.2kHz animal ear tags and microchips: use the A520-M in the same housing
- ✗ 13.56MHz NFC / MIFARE cards: use the H510-B
- ✗ App development through an SDK: none is documented for this model

OEM / ODM options (confirmed per order)

- ◆ OLED display language changed from English on request
- ◆ Bluetooth device name shown during pairing set to your brand, on request
- ◆ Housing color: black or white, both with a blue ring
- ◆ Host connection (USB 2.0, 2.4G or Bluetooth) agreed per order and confirmed in your quotation

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Specifications describe the standard version and may change without notice. Read range depends on the card or tag, mounting and environment. Pricing, configuration, lead time and terms are confirmed in your quotation.