

HANDHELD & BLUETOOTH RFID READERS

U540-M UHF RFID Handheld Reader with 1D/2D Barcode Scanner and OLED

The U540-M is a paddle-style handheld that combines a UHF RFID reader (ISO 18000-6C, 902-928 MHz) with a CMOS imager for 1D and 2D barcodes, so one device checks both tagged and barcoded items. It has an OLED display and connects to the host by USB cable, 2.4G wireless or Bluetooth.

- RFID and barcode in one device — reads ISO 18000-6C UHF tags and printed 1D/2D barcodes, so staff carry one tool on mixed sites.
- Broad symbology support — QR Code, Data Matrix, PDF417, Aztec and MaxiCode; Code 128, EAN-13, UPC-A, Code 39, GS1 DataBar and more.
- Band set for your market — 902-928 MHz as standard; the frequency is customizable.
- On-device OLED display — built into the paddle head above the keypad.
- USB, 2.4G or Bluetooth — cable, wireless receiver or Bluetooth link to the host.
- Operating conditions — -20 °C to +70 °C and 5-85 % RH.



General	
Model	U540-M
Form factor	Paddle handheld with OLED display and CMOS barcode imager
Frequency	902-928 MHz (customizable)
Housing color	Black with blue trim

Cards & reading	
RFID protocol	ISO 18000-6C
Supported tags	ISO 18000-6C UHF tags
Read mode	Read-only (tag ID)
Read time	< 100 ms
Read interval	0.5 s
Barcode engine	CMOS imager
2D symbologies	PDF417, QR Code (Model 1/2), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Aztec, MaxiCode and others
1D symbologies	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 DataBar and others

Interface & output	
Host connections	USB (wired); 2.4G wireless; Bluetooth
Display	OLED

Physical & environment	
Power	5 V, 100 mA
Operating temperature	-20 °C to +70 °C
Humidity	5–85 % RH

Works with

- ✓ ISO 18000-6C UHF tags and labels: tag ID read
- ✓ Printed 1D and 2D barcodes, including QR Code, Data Matrix, PDF417, Code 128 and EAN/UPC
- ✓ Host connection by USB cable, 2.4G wireless receiver or Bluetooth

Not designed for

- ✗ Writing or encoding UHF tags: use the U120-U desktop reader/writer
- ✗ 134.2kHz animal tags: use the A540-M in the same housing
- ✗ 13.56MHz NFC / MIFARE and 125kHz proximity cards
- ✗ Reader control from your own app through an SDK: none is documented for this model

OEM / ODM options (confirmed per order)

- ◆ UHF band set for your destination market: 902–928 MHz as standard, other bands on request
- ◆ Private-label marking and packaging, confirmed in your quotation
- ◆ Host connection (USB, 2.4G or Bluetooth) and data format agreed after a sample test, 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.