

134.2KHZ ANIMAL ID READERS

A540-M 134.2kHz FDX-B Animal Tag Reader with 1D/2D Barcode Scanner

The A540-M combines a 134.2 kHz FDX-B/EMID animal tag reader with a CMOS 1D/2D barcode imager in one paddle handheld. It reads 30 mm ear tags at more than 25 cm and glass microchips at more than 15 cm, stores 6,000 records and uploads over USB-C, with wireless HID or Bluetooth as options.

- Tag and barcode in one device — reads FDX-B and EMID animal tags and scans 1D and 2D barcodes with a CMOS imager.
- Longest handheld range in the series — more than 25 cm on 30 mm ear tags and more than 15 cm on 2–12 mm glass tubes.
- 6,000-record memory — work offline for a full session and upload the stored records later.
- Three read modes — key trigger, read once or continuous.
- Keypad and 128 × 64 OLED — high-brightness display with buzzer; English menus, other languages on request.
- USB-C with wireless options — USB 2.0 through a Type-C port, with wireless HID or Bluetooth versions.



General	
Model	A540-M
Product type	Handheld animal tag reader with 1D/2D barcode imager
Frequency	134.2 kHz (FDX-B) / 125 kHz (EMID)
Form factor	Paddle handheld with keypad and OLED

Barcode	
Scan engine	CMOS imager
1D symbologies	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Code 93, Interleaved 2 of 5, Codabar, GS1 DataBar
2D symbologies	QR Code, Data Matrix, PDF417, Aztec, MaxiCode

Cards & reading	
Standards	ISO 11784, ISO 11785 (FDX-B), EM4100 (EMID)
Supported tags	FDX-B (ISO 11784/11785) animal tags, EMID tags
Read range, 2–12 mm glass tube	> 15 cm (tag dependent)
Read range, 30 mm ear tag	> 25 cm (tag dependent)
Read time	< 100 ms
Read modes	Key trigger, read once, continuous
Read/write	Read-only

Interface & data	
Interfaces	USB 2.0 (Type-C port); wireless HID (optional); Bluetooth (optional)
Upload	Real-time or stored-record upload
Memory	6,000 records
Display	128 × 64 high-brightness OLED
Controls and feedback	Keypad, buzzer
Display language	English (other languages on request)

Physical & environment	
Power	3.7 V rechargeable lithium battery
Color	Black with blue trim
Operating temperature	-10 °C to +50 °C
Storage temperature	-30 °C to +70 °C
Package size	267 × 148 × 38 mm

Works with

- ✓ ISO 11784/11785 FDX-B ear tags and glass-tube microchips at 134.2 kHz
- ✓ EMID (EM4100-format) animal tags at 125 kHz
- ✓ Common 1D barcodes and QR Code, Data Matrix, PDF417, Aztec and MaxiCode
- ✓ Hosts with USB, or with wireless HID or Bluetooth on the optional versions

Not designed for

- ✗ Writing, programming or copying tags (read-only reader)
- ✗ HDX and FDX-A animal tags
- ✗ UHF tags — use the U540-M

OEM / ODM options (confirmed per order)

- ◆ OLED display language other than English on request
- ◆ Your logo and packaging for private-label distribution on request
- ◆ Connection version: USB-C only, wireless HID or Bluetooth

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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.