

MAGNETIC STRIPE CARD READERS

M180-U USB Track 2 Magnetic Stripe Card Reader (Long Body)

The M180-U is a long-body USB swipe reader for the Track 2 data on magnetic stripe cards, for counters and front desks that read membership, loyalty or staff ID numbers. It accepts swipes in either direction at up to 120 cm/s, draws ≤ 35 mA and has a rated head life of 600,000 passes.

- Track 2 only — reads the numeric track that many membership, loyalty and staff ID programs use for the card number.
- Long, heavy body — $170 \times 42 \times 49$ mm and 167.2 g net, sized for reception counters and front desks.
- Two-way swipe — accepts cards in either direction at up to 120 cm/s, with F2F (FM) decoding.
- Clear status feedback — a red power LED, a green status LED and a built-in buzzer; LED and buzzer are controllable.
- Low power — 5 V DC $\pm 5\%$ at ≤ 35 mA over a 1350 mm USB cable.



General	
Model	M180-U
Reader type	Magnetic stripe swipe reader, read-only
Form factor	Long-body desktop swipe reader
Standard	ISO 7811

Cards & reading	
Tracks	Track 2 only
Card type	Magnetic stripe cards, PVC 0.76 ± 0.08 mm
Decoding	F2F (FM)
Swipe direction	Bi-directional
Swipe speed	Up to 120 cm/s
Head track width	1.5 mm
Head life	600,000 passes

Interface & output	
Interface	USB
Operating systems	Windows XP / Vista / 7 / 10, Linux, Android
Indicators	Red power LED, green status LED, built-in buzzer
LED and buzzer	Controllable

Physical & environment	
Dimensions	$170 \times 42 \times 49$ mm
Weight	167.2 g net; 240 g gross
Package size	$190 \times 50 \times 140$ mm
Housing	ABS
Color	Black
Cable length	1350 mm
Power	5 V DC $\pm 5\%$, ≤ 35 mA
Operating temperature	0 °C to +45 °C
Humidity	10–90 % RH

Works with

- ✓ Track 2 of magnetic stripe cards on 0.76 ± 0.08 mm PVC
- ✓ Membership, loyalty, staff ID and attendance cards that store the number on Track 2
- ✓ Windows XP / Vista / 7 / 10, Linux and Android hosts with a USB port (per specification)

Not designed for

- ✗ Track 1 and Track 3 data — use the M170-U
- ✗ Writing, encoding or copying magnetic stripes (read-only reader)
- ✗ Contactless RFID/NFC cards — use the L110-U (125kHz) or H110-U (13.56MHz)

OEM / ODM options (confirmed per order)

- ◆ Output layout matched to your host software, confirmed in your quotation
- ◆ LED and buzzer behavior (both controllable per the specification) set to your workflow, confirmed in your quotation
- ◆ Logo and private-label packaging on request, 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.