

125KHZ RFID READERS

L150-U 125kHz USB RFID Desktop Reader with Card Recess

The L150-U is a classic angled 125 kHz desktop reader with a recess that shows users where to place the card. It reads EM4100 and TK4100 cards and fobs at up to 80 mm, types a 10-digit decimal number over USB with no driver, and is available with a DIP switch for on-site format selection.

- Guided card placement — the angled top has a recessed card area, so first-time users know where the card goes.
- Keyboard output — types a 10-digit decimal number at the cursor through USB keyboard emulation, with no driver.
- Optional DIP-switch version — installers can choose the output format on site instead of before shipment.
- USB-A socket at the rear — the 1400 mm cable unplugs from the reader.
- Up to 80 mm range — EM4100, TK4100 and SMC4001 cards and fobs, read in under 200 ms.
- Red/green LED and buzzer — red on standby, green with a beep on a good read.



General	
Model	L150-U
Frequency	125 kHz
Form factor	Angled desktop reader with card recess
Housing	ABS
Color	Black

Cards & reading	
Supported cards	EM4100, TK4100, SMC4001 and EM4100-compatible cards and key fobs
Card operation	Read-only (card ID number)
Read range	Up to 80 mm (depends on card and environment)
Read time	< 200 ms
Read interval	< 0.5 s

Interface & output	
Interface	USB, keyboard emulation (USB-A socket on reader)
Driver	Not required
Default output	10-digit decimal card number
Output options	Custom output format on request; optional DIP-switch format selection
Operating systems	Windows XP / Vista / 7 / 10, Linux, Android
Indicators	Red/green LED (red = standby, green = card read) and buzzer

Physical & environment	
Dimensions	110 × 80 × 26 mm
Weight	Approx. 160 g
Cable length	1400 mm
Power supply	5 V DC, USB bus-powered
Operating temperature	-10 °C to +70 °C
Storage temperature	-20 °C to +80 °C
Humidity	< 90 % RH

Works with

- ✓ EM4100, TK4100 and SMC4001 125 kHz cards
- ✓ EM4100-compatible key fobs
- ✓ Windows XP, Vista, 7 and 10
- ✓ Linux, and Android devices with USB OTG support

Not designed for

- ✗ Writing or copying cards (read-only reader)
- ✗ 13.56 MHz MIFARE and NFC cards — use the H150-U
- ✗ ISO 15693 (ICODE) labels — use the H155-U
- ✗ Capturing reads when no input field has focus

OEM / ODM options (confirmed per order)

- ◆ Custom output format set before shipment on request
- ◆ RS232 version in the same housing (L150-R)
- ◆ Private-label marking and packaging — scope confirmed in your quotation
- ◆ Optional DIP switch for selecting the output format on site
- ◆ 13.56 MHz (H150-U) and ISO 15693 (H155-U) versions in the same body

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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.