

125KHZ RFID READERS

# L310-U 125kHz RFID Card Reader with USB Numeric Keypad

The L310-U combines a USB numeric keypad with a 125 kHz EM4100/TK4100 card reader, for POS, membership and attendance desks where staff scan a card and then key in a number. Cards read at up to 50 mm and are typed as a 10-digit decimal number followed by Enter; keys include 0–9, F1–F5, Esc, Clear and Enter.

- Card reader and keypad in one — a single USB device replaces a separate reader and numeric keypad.
- Card number plus Enter — each read types a 10-digit decimal number followed by Enter.
- Full key set — 0–9, F1–F5, Esc, Clear and Enter for amounts, member numbers or shortcuts.
- No driver — keypad and reader both work as a USB keyboard on Windows, Linux and Android.
- Short, defined range — cards up to 50 mm (30 mm for consistent reads), key fobs up to 15 mm.
- Blue LED and buzzer — confirm each card read.



| General     |                                              |
|-------------|----------------------------------------------|
| Model       | L310-U                                       |
| Frequency   | 125 kHz                                      |
| Form factor | USB numeric keypad with built-in card reader |
| Keys        | 0–9, F1–F5, Esc, Clear, Enter                |
| Housing     | ABS                                          |
| Color       | Black                                        |

| Interface & output |                                             |
|--------------------|---------------------------------------------|
| Interface          | USB, keyboard emulation                     |
| Driver             | Not required                                |
| Output             | 10-digit decimal card number + Enter        |
| Operating systems  | Windows XP / Vista / 7 / 10, Linux, Android |
| Indicators         | Blue LED and buzzer                         |

| Cards & reading     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Supported cards     | EM4100, TK4100, SMC4001 and EM4100-compatible cards and key fobs |
| Card operation      | Read-only (card ID number)                                       |
| Read range, card    | Up to 50 mm (30 mm for consistent reads)                         |
| Read range, key fob | Up to 15 mm                                                      |
| Read time           | < 200 ms                                                         |
| Read interval       | < 0.5 s                                                          |

| Physical & environment |                        |
|------------------------|------------------------|
| Dimensions             | 135 × 85 × 28 mm       |
| Weight                 | Net 100 g; gross 150 g |
| Cable length           | 1400 mm                |
| Power supply           | 5 V DC (USB)           |
| 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 (read at up to 15 mm)
- ✓ Windows XP, Vista, 7 and 10
- ✓ Linux and Android hosts with USB keyboard support

## Not designed for

- ✗ Writing or copying cards (read-only reader)
- ✗ 13.56 MHz MIFARE and NFC cards — use the H310-U
- ✗ Wiegand door controllers or card-plus-PIN door access (USB desktop device only)
- ✗ Capturing reads when no input field has focus

## OEM / ODM options (confirmed per order)

- ◆ 13.56 MHz MIFARE/NTAG version in the same keypad housing (H310-U)
- ◆ Private-label marking and packaging — scope confirmed in your quotation
- ◆ Alternative card-number output format — feasibility 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.