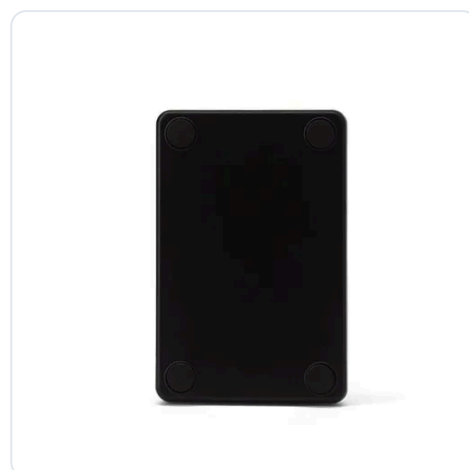


125KHZ RFID READERS

L110-U 125kHz USB RFID Reader for EM4100 Cards, Slim Pad

The L110-U is a slim 125 kHz USB pad for access-control installers and software vendors who enroll EM4100 and TK4100 cards and key fobs into their own systems. It reads at up to 80 mm in under 200 ms and types the chip's ID as a 10-digit decimal number, so nobody retypes printed card numbers.

- EM4100 family — reads EM4100, TK4100 and SMC4001 cards and key fobs, the 125 kHz ID chips behind many staff badges and door fobs.
- Reads the chip, not the print — the number comes from the card itself, which removes typing errors during enrollment.
- USB keyboard emulation — nothing to install on Windows, Linux or Android; the number is typed at the cursor.
- Batch-friendly timing — read time under 200 ms and a read interval under 0.5 s, so a box of new fobs can be enrolled one after another.
- Slim 10 mm pad — 104 × 68 × 10 mm and about 140 g, on four rubber feet.
- One pad, four versions — the same housing is used for RS232 (L110-R), 13.56 MHz (H110-U) and 134.2 kHz animal tags (A110-U).



General	
Model	L110-U
Frequency	125 kHz
Form factor	Slim desktop card pad
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
Driver	Not required
Default output	10-digit decimal card number
Output options	Custom output format on request
Operating systems	Windows XP / Vista / 7 / 10, Linux, Android
Indicators	Red/green LED (red = standby, green = card read) and buzzer

Physical & environment	
Dimensions	104 × 68 × 10 mm
Weight	Approx. 140 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 ID cards
- ✓ EM4100-compatible key fobs
- ✓ Windows XP, Vista, 7 and 10
- ✓ Linux and Android hosts that accept a USB keyboard

Not designed for

- × Writing, encoding or copying cards (read-only reader)
- × 13.56 MHz MIFARE and NFC cards — use the H110-U
- × 134.2 kHz FDX-B animal tags — use the A110-U
- × Capturing reads when no input field has focus (keyboard output types at the cursor)

OEM / ODM options (confirmed per order)

- ◆ Output format set before shipment on request, e.g. 8-digit hex, reversed byte order, with or without Enter
- ◆ Same housing for 13.56 MHz cards (H110-U) and 134.2 kHz animal tags (A110-U)
- ◆ RS232 serial version in the same slim housing (L110-R)
- ◆ Private-label marking and packaging — scope confirmed in your quotation

Henrium · henrium.com · sales@henrium.com

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.