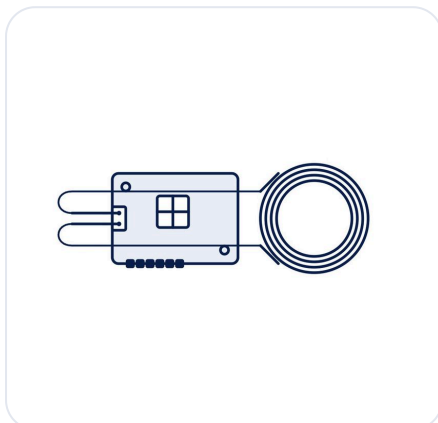




125 kHz RFID Reader Module, UART (EM4100-Format Tags)

Model — · Brand: Identium



A 125 kHz reader module that outputs the ID of an EM4100-format card, fob or token over a serial UART line, for prototyping attendance, door and asset readers on microcontroller boards. The low-frequency counterpart of the RC522: it reads our 125 kHz cards and tokens, not 13.56 MHz or UHF.

KEY FEATURES

- **Reads EM4100-format 125 kHz tags: the 64-bit read-only ID used by most LF cards and fobs**
- **Serial UART (TTL) output, 9600 baud, typical for the class**
- 5 V supply, typical for the class
- On-board or external coil antenna, as sourced
- Reads our 125 kHz cards, LF tokens and key fobs at a few centimetres

APPLICATIONS

Attendance and door prototypes

Maker and student projects

Replacement reader in LF systems

Teaching labs

Asset-cabinet prototypes

SPECIFICATIONS

Frequency	125 kHz (LF)
Tag format	EM4100 / EM4102-type: 64-bit read-only ID, per the public definition
Output	UART serial (TTL), 9600 baud, typical for the class; Wiegand on some boards, as sourced
Supply	5 V DC, typical for the class
Antenna	On-board coil or external coil, as sourced
Read range	A few centimetres, typical for the class; depends on the tag
Does not read	13.56 MHz cards, UHF tags, 134.2 kHz FDX-B animal tags
Supplied	Module only unless stated