

Mini USB

Desktop reader and programmer



Mini USB

A compact USB device for credential enrollment and card programming. Reader mode sends card information to the host automatically; programmer mode reads and writes through commands from compatible software.

Design and functions

- Plug-and-play enrollment after the reader has been configured.
- 125 kHz and 13.56 MHz technologies, depending on the selected module.
- Mifare: 32/56-bit CSN or sector data; Mifare Plus: 56-bit UID.
- DESFire: 56-bit UID or file data; LEGIC: CSN/UID or segment data. Relevant keys or tokens may be required.
- Mifare Works, DESFire Works for EV1 cards, and LEGIC Works programming options.
- PassKeys stored in an encrypted USB dongle; password-controlled editing.
- Green/red read-result feedback and module-dependent API support.

Configuration and operation

Reader mode

Card is read automatically using stored configuration; information transfers to the host over USB.

Programmer mode

Compatible programming software sends commands to access the card.

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Technical specifications

Power	USB bus powered
Peak current	100 mA
Frequency	125 kHz / 13.56 MHz
Typical read range	1.5–6 cm
Host interface	USB 2.0; also compliant with USB 1.1
Transmission speed	12 Mbps, USB full speed
Temperature	0 to +55 °C / 32 to 131 °F
Dimensions	85.8 × 54 × 12 mm
Colour	Black
LED colours	Blue, green and red

Model selection

Model structure	X1 X2 N1 N2 N3 – N4 X3
RF prefix	HR = 125 kHz; MW = Mifare; MD = DESFire; LE = LEGIC
Function	N1: 4 = USB reader; 7 = USB programmer
Enclosure	N2: 6 = Mini USB
Reading mode	N3: 2 = UID; 3 = sector, HF only
Connection / keypad	N4: 1 = USB; X3: N = no keypad