

USB Reader



Mini USB Desktop Reader / Programmer

Terminologies

- ♦ USB Reader When card is present in front of the reader, it will be read automatically base on the stored configuration inside the reader, and the card information will transfer to the host via USB. (Plug & Play)
- ♦ USB Programmer The Programming Software will send the command to the USB reader to read card being placed on top.

Technologies Supported

- ♦ Low Frequency 125KHz
- ♦ High Frequencies:
 - Mifare (32/56 bits CSN or Sector data – corresponding Keys might require)
 - Mifare Plus (56 bits UID only)
 - DesFire (56 bits UID or Files data – corresponding Keys might require)
 - Legic (CSN/UID or Segment data – corresponding Token might require)

Supported Software

- ♦ Enrollment For enrollment reader configuration, once the reader is configured properly, the card information will send to screen via the USB connection. Simply Plug & play – no software is required.
- ♦ Card Programming There are different Programming software available:
 - Mifare Works (allow user to program their own Mifare cards)
 - DesFire Works (allow user to program DesFire EV1 cards)
 - Legic Works (allow user to program Legic cards)

High Security & User Friendly

- ♦ All the “PassKeys” are stored inside the encrypted USB dongle, which is portable but maintain high security level
- ♦ Only authorized User with proper password can edit the dongle information
- ♦ LEDs will change to Green when card read is success and Red when card read is failure
- ♦ API (Application Programming Interface) is available base on different module

Model Number: X₁ X₂ N₁ N₂ N₃ – N₄ X₃

RF Technologies		Reader Appearance and Function	
X ₁ X ₂	HR = 125KHz MW = Mifare Technology MD = DesFire LE = Legic	N ₁	4 = USB Reader; 7 = USB Programmer
		N ₂	6 = Mini USB
		N ₃	2 = UID; 3 = Sector (HF Only)
		N ₄	1 = USB
		X ₃	N = No Keypad

Operating Specification:

Operating Voltage	Bus powered	Typical read range	1.5 to 6cm
Operating current (peak)	100mA	Standard Color	Black
Frequency	125KHz / 13.56MHz	LED Color	Blue, Green & Red
Host Interface	USB2.0 (also compliant with USB 1.1)	Transmission speed	12 Mbps (USB 2.0 full speed)
Operating Temperature	32° ~131° F (0° ~55° C)	Exterior dimension	85.8*54*12mm

Physical Dimension:

