

# FM-300 / FM-800

## Fingerprint Enrollment Module



FM-300

FM-800

### Features

- Plug and play installation.
- Hard and strong sensor surface.
- Standard USB interface support.
- Reliable image quality of 500 dpi.
- Fast fingerprint capturing by USB 2.0 high speed.

### Specifications

Model No.	FM-300	FM-800
Fingerprint Sensor	Optical	
Enrollment Speed	<= 1 sec	
Comm. Interface	USB 2.0 high speed and full speed	
Operating Temp.	-10~50°C / 14°F ~ 122°F	
Dimension (mm)	40 x 77 x 70.5 (LxWxH)	80 x 104 x 144 (LxWxH)
Weight	100g	335g

### Ordering Information

#### Package Content:

- FM-300 x 1 or FM-800 x 1
- Fingerprint Enrollment Software x 1
- Quick Start Guide x 1
- Cable x 1

# IE-1000 IM-1000 / IM-1000U IM-1000U-D

# EM Encoder Mifare Encoder Mifare Deposit Encoder



### Features

- RS232 ASCII serial data communication.
- 125KHz EM format proximity card reading capability for IE-1000.
- 13.56MHz Mifare format proximity card reading / re-encoding capability for IM-1000/IM-1000U.
- Simple & friendly GUI interface software utility.
- Optional user-defined encryption encoding (including Blocks of digits, character, and Key A, Key B) for IM-1000/IM-1000U.
- Optional user-defined decoding (including line space delimiter or tab delimiter) for IM-1000/IM-1000U.
- IM-1000U-D support HDMS / HDMS-Lite adding value function.

### Specifications

LED Indicator	4 LED (OK / TXD / RXD / POWER)
Beep Tone	Buzzer
Read Format & Range	125 KHz (EM Compatible): 5 CM 13.56 MHz (Mifare® Compatible): 5 CM
Power Input	DC 12V @ 500mA (max.)
Power Consumption	1.5W (max.)
Comm. Interface	RS-232: IE-1000 / IM-1000 USB: IM-1000U / IM-1000UD
Comm. Baudrate	19200bps-N-8-1
Operating Temp.	0°C ~ 50°C / 32°F ~ 122°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension (PCB)(mm)	115(L) x 146(W) x 28(H)
Weight (Device)	212g (IE-1000), 206g (IM-1000/1000U)

### Ordering Information

#### Package Content:

- Encoder x 1
- Cable x 1
- Quick Start Guide x 1
- Software CD x 1
- Optional Power Adapter (IE-1000,IM-1000)

#### Optional Accessories:

- AC-DC Adapter