SOYAL®
ACCESS & INDUSTRIAL CONTROL

AR-837-P

DESFire Card Encoder

Speed DESFire Encode
Programming your card in only ONE second.

- Standalone offline Mifare DESFire encryption encoder, the card number can be quickly set by keypad.
- Support self-implementation of standard Mifare DESFire card encryption control, not controlled by others
- Security control mechanism, every time only the authorization card can start the encryption encoder

- New card number can be chosen with auto increment mode or fixed UID mode
- The card number can be memorized after shutdown, and the card can be programmed again next time

DESFire Card Encode AR-837-P

Specifications AR-837-P

Frequency	13.56MHz
Reading Range	1-3 cm
Read / Write	Read / Write
Standard	ISO14443A (3DES)
Supported Tag	DESFire Tag (EV1, EV2)
Communication Interface	RS485(9600, N, 8, 1)
Watchdog function	Yes
Power Consumption	<5W
Power Supply	9-24VDC
Relay	Yes
LCD Panel	128*64 (4 line messages, 16 Characters each line)
Indicator	6 LED & 1 Buzzer
Housing Material	ABS
Dimension(mm)	128(H)X147(W)X60(D)
Net Weight (g)	approx. 470
Operating Temperature	-20℃ ~ +70℃
Storage Temperature	-40℃ to +75℃
Operating Humidity	0%~90% (non-condensing)
Storage Humidity	0%~95% (non-condensing)

Peripherals / Accessories

DESFire Card Encode AR-837-P

DESFire Launch Card

Isolated USB to RS485 Converter AR-321-CM

SOYAL Software 323D Master

Desfire Card AR-TAGCIDW50F -DF28

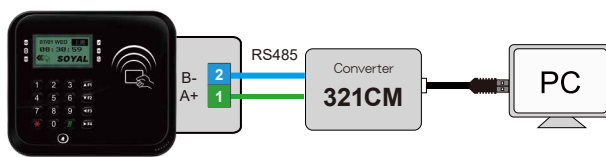Desfire Square Keychain AR-TAGK7DW20F -DF28

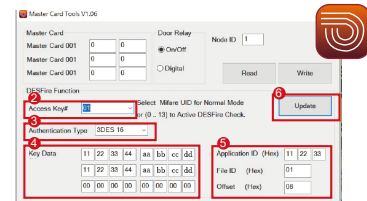Desfire Round Keychain AR-TAGK3DW20F -DF28

Setting & Operation

- **Program and encrypt DESFire cards by DESFire Encoder 837PD and DESFire Launch Card**

- **Set up DESFire Key for Encoder AR-837-PD by software 323D Master**
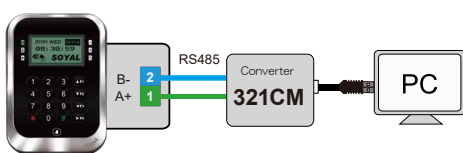

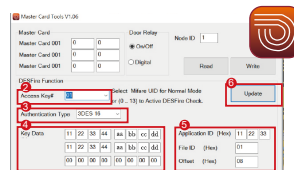① Connect Encoder AR-837-P to computer via USB Converter

② Execute Software "323D Master" and follow the below operation to set up

- **Set up DESFire Key for Controller and WG Reader by software 323D Master (We use LCD Controller 837E as demo)**

① Connect Encoder AR-837-P to computer via USB Converter

② Execute Software "323D Master" and follow the below operation to set up

③ Test that the DESFire encrypted controller only read the encrypted DESFire card.

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