

BM680 miniGuard



BIOMETRIC READER DATASHEET

02.05.22

PRODUCT

The BM680 is a compact form-factor MIFARE® smart card reader that can be purchased preconfigured or customised to suit any requirement. Able to integrate seamlessly with existing systems and facilitate migrating to higher security technology.



MODEL FEATURES

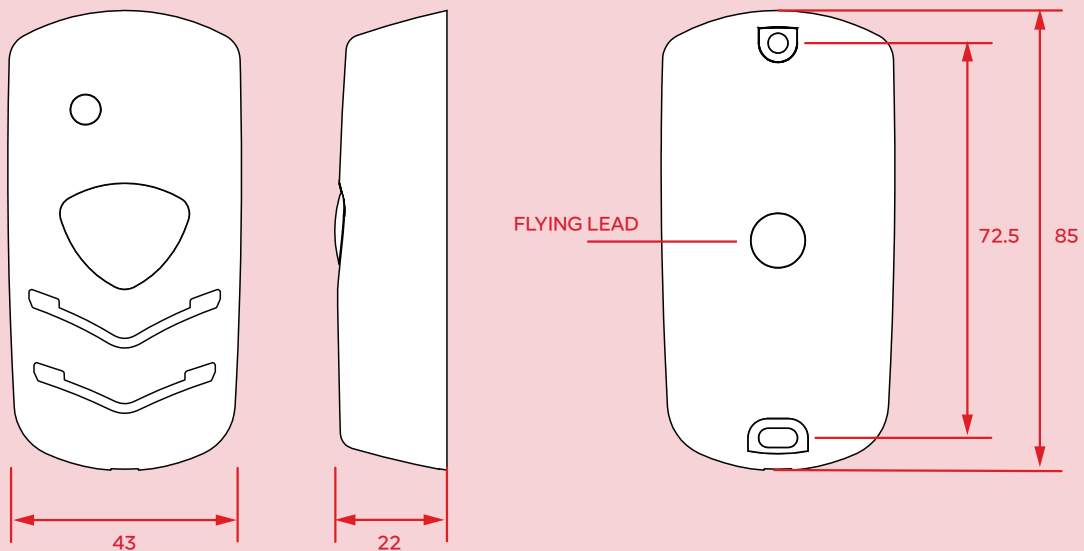
		BM680-1	BM680-2	BM680-3	BM680-4	BM680-5	BM680-6
Technology	125kHz						
	MIFARE Classic®	●	●	●			
	MIFARE Plus®						●
	MIFARE® DESFire®				●	●	●
Factors	Card	●	●	●	●	●	●
	Keypad						
	Biometric						
Encryption	CSN/UID	●	●	●	●		●
	Crypto1		●	●			●
	3DES				●		●
	AES					●	●
Keys	Diversified Key		●		●	●	●
	Custom Key			●			●
Output	Wiegand 32-bit	●	●	●	●	●	●
	Wiegand 26-bit to 199-bit			●			●
	Encrypted RS485			●		●	●

SPECIFICATIONS

- **Voltage at Reader**
8VDC to 16VDC
- **Current Usage**
Average: 60mA
Peak: 160mA
- **Card Read Range**
20mm to 40mm (0.8" to 1.6")
- **Operating Temperature**
-25°C to +65°C (-13°F to +149°F)
- **Relative Humidity (% max)**
90%, operating non condensing
- **Reader Dimensions**
85mm (3.35") X 43mm (1.69") X 22mm (0.87")
- **Materials**
Reader / Shroud Body: ABS
Plastic
Colour Finish: Charcoal
- **Feedback**
Green/Red LED, with external control
Buzzer, with external control
Tamper detection, optional output
- **Credential Options**
ISO14443A, MIFARE Classic®
1K/4K, MIFARE Plus® X 2K/4K,
MIFARE® DESFire® EV1 4K/8K,
MIFARE® DESFire® EV2 4K/8K,
MIFARE® DESFire® EV3 4K/8K
- **Compliance and Certification**
FCC, CE, UKCA, RCM, RoHS, IP65
- **Reader Variants**
BM680-1 – CSN Reader
BM680-2 – miPASS2 Reader
BM680-3 – Custom MIFARE
Classic Reader
BM680-4 – miPASS3 Reader
BM680-5 – miPASS4 Reader
BM680-6 – Custom MIFARE
DESFire Reader
- **Accessories**
B4012G000000 – BM680
Tamper Plate
B4106G000000 – BM680
Replacement Shroud

DIAGRAM

DIAGRAMS ARE NOT TO SCALE. MEASUREMENTS ARE IN MILLIMETERS (MM).



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