

# BT953



## RFID READER DATASHEET

23.06.21

### PRODUCT

The BT953 is a standard footprint mullion migration 125kHz (PSK) / MIFARE® smart card reader. Able to integrate seamlessly with existing systems and facilitate migrating from a 125kHz card base to higher security technology such as MIFARE® DESFire®.



### MODEL FEATURES

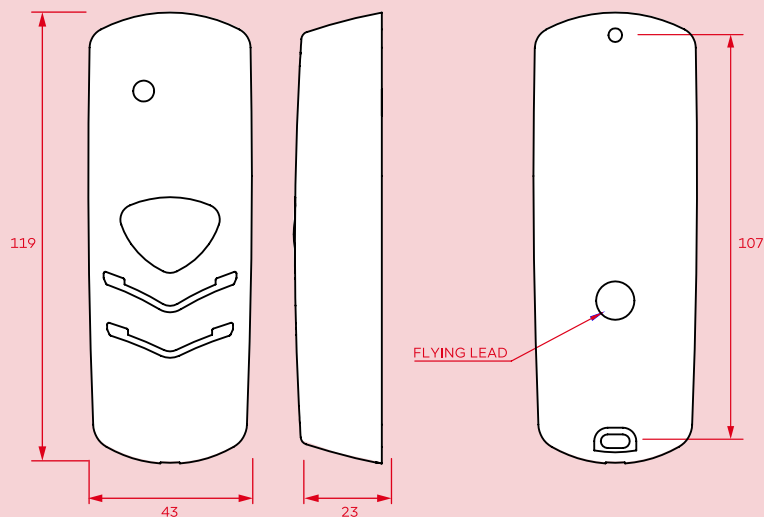
		BT953-1	BT953-2	BT953-3	BT953-4	BT953-5	BT953-6
Technology	125kHz (PSK)	●	●	●	●	●	●
	MIFARE Classic®	●	●	●			
	MIFARE Plus®						●
	MIFARE® DESFire®				●	●	●
Factors	Card	●	●	●	●	●	●
	Keypad						
	Biometric						
Encryption	CSN/UID	●	●	●	●		●
	Crypto1		●	●			●
	3DES				●		●
	AES					●	●
Keys	Diversified 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: 120mA  
Peak: 300mA
- **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**  
119mm (4.69") X 43mm (1.69") X 23mm (0.91")
- **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**  
125kHz (PSK), 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**  
BT953-1 – CSN Reader  
BT953-2 – miPASS2 Reader  
BT953-3 – Custom MIFARE  
Classic Reader  
BT953-4 – miPASS3 Reader  
BT953-5 – miPASS4 Reader  
BT953-6 – Custom MIFARE  
DESFire Reader
- **Accessories**  
B4015G000000 – BT95X Tamper  
Plate  
B4104G000000 – BT95X  
Replacement Shroud

## DIAGRAM

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



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