

# BT512 (Square Style)



## RFID READER DATASHEET

02.05.22

### PRODUCT

The BT512 is a flush MIFARE® smart card reader with square style plate. They can be purchased preconfigured or customised to suit any requirement and are able to integrate seamlessly with existing systems and facilitate migrating to higher security technology.



### MODEL FEATURES

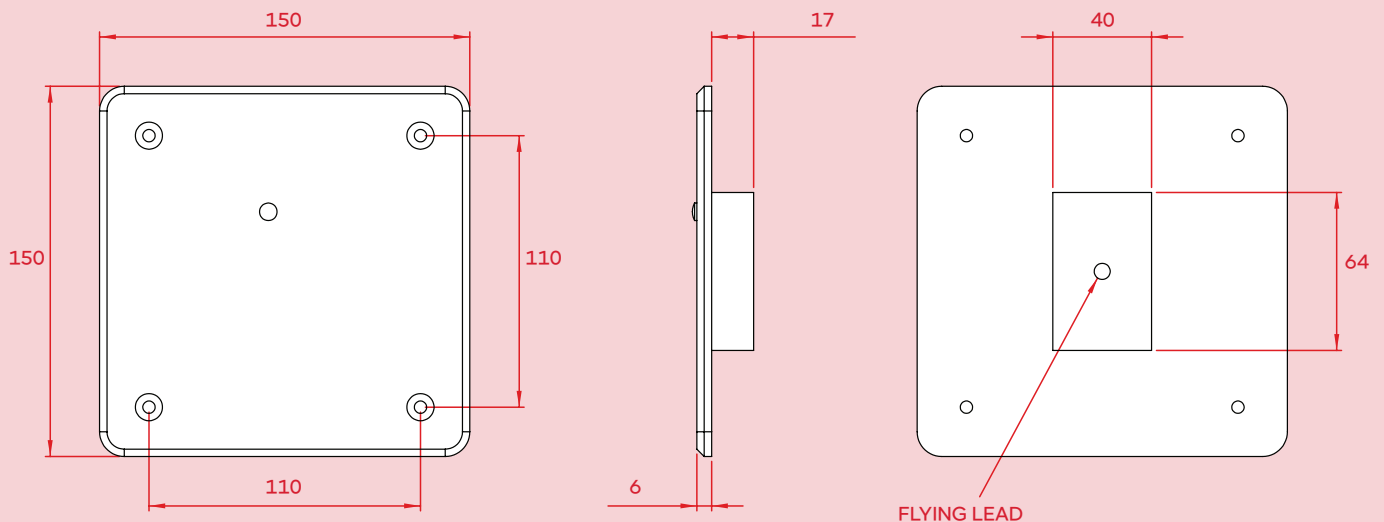
		BT512-1	BT512-2	BT512-3	BT512-4	BT512-5	BT512-6
Technology	125kHz						
	MIFARE Classic®	●	●	●			
	MIFARE Plus®						●
	MIFARE® DESFire®				●	●	●
Factors	Card	●	●	●	●	●	●
	Keypad						
	Biometric						
Encryption	CSN/UID	●	●	●	●		●
	Crypto1		●	●			●
	3DES				●		●
	AES					●	●
Keys	Diversified Key		●		●	●	●
	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
- **Materials**  
Reader Plate: 6mm Acrylic  
Colour Finish: Black
- **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**  
BT512-1 – CSN Reader  
BT512-2 – miPASS2 Reader  
BT512-3 – Custom MIFARE  
Classic Reader  
BT512-4 – miPASS3 Reader  
BT512-5 – miPASS4 Reader  
BT512-6 – Custom MIFARE  
DESFire Reader

## DIAGRAM

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



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