



This 13.56 MHz Mifare DESFire configurable reader with keypad is configurable for various Mifare® technologies.

The 13.56 MHz DESFire configurable reader is widely used in applications such as access control system, time attendance, guest registration system and identification authentication and authorization and identity. The reader can be configured to read Mifare® DESFire cards with MAD3 or Mifare® MAD1/MAD2 sector standard in a Mifare® application open system, or can be configured to read the user-defined sector data(Non-MAD) in a user defined closed system. The reader provides Wiegand and TK2 interfaces as well as optional RS232 or RS485 interfaces.



Key Features

- ✓ High performance and security
- ✓ IP 66 protection rating
- ✓ RS232, ABA TK2, Wiegand or RS485 interface
- ✓ Internal LED and buzzer
- ✓ Metal keypad with 4*3 keys



Technical Specifications

Security	DES & 3DES MACing/Encipherment
Interface	223017A: RS232 223017B: RS485
Power Requirements	7.5 V to 24 V
Card Types	Mifare® DESFire (4K/8K for MAD3) Mifare® Classic (1K/4K for MAD1/MAD2)
Maximum Read Distance	Mifare: Up to 11 cm; DESFire: Up to 6 cm at 12 V
Frequency	13.56 MHz
Card Format	MAD1/MAD2, and MAD3
Audio/Visual Indication	Internal LED and buzzer
Dimensions	112.3 mm × 96 mm × 22 mm
Housing Material	223017A: ABS housing 223017B: ABS housing/Metallic keys
Environment	Operating temperature: 0 °C to 60 °C Operating relative humidity: 10% to 90%
Protection Classification	IP66
Certification	R&TTE/FCC

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Toll Free (USA & Canada)

1-877-585-9555

All Other Areas

416-292-0038

Dial Ext.601 for Sales
Ext.602 for Other Inquiries

sales@GAORFID.com