

# Proximity Reader - PRX-DES-1

## For increased personal security

### DESFire Read/Write Reader

MIFARE DESFire adds more security to your application, and it is ideal for solution developers and providers wanting to combine and support multiple applications on one smart card. It fully complies with the requirements for fast and secure data transmission, flexible memory organization and interoperability with existing infrastructure.

With DES encryption on all data traffic, DESFire is one of the first products that is CAC-compliant - the Common Access Card standard is the official standard which the American government has appointed for secured access control.

When using DESFire card in Synel's readers, communication is in effect done between the controller and the card, the reader acting only as an intermediate. It is therefore impossible to forge the card, hence the certainty that it is indeed the authentic card.

The reader connects to Synel's terminals and controllers, which require reliable identification capabilities at various levels.



#### Technical Specifications

<ul style="list-style-type: none"> <li><b>Power supply</b></li> </ul>	
Voltage	9VDC
Current average	150 mA
Current peak	150 mA
<ul style="list-style-type: none"> <li><b>Data transmission</b></li> </ul>	RS-232/422
<ul style="list-style-type: none"> <li><b>Communications parameter</b></li> </ul>	38400 Bit/s, 8, N, 1
<ul style="list-style-type: none"> <li><b>Dimensions</b></li> </ul>	H:13 X W:4.3 X D:2 cm
<ul style="list-style-type: none"> <li><b>Material</b></li> </ul>	Polyurethane
<ul style="list-style-type: none"> <li><b>Feedback to user</b></li> </ul>	
LEDs	1 red, 1 green
Buzzer	Yes
<ul style="list-style-type: none"> <li><b>Environmental</b></li> </ul>	
Operating temp.	-20° to +80°C
Humidity	95% non-condensing
<ul style="list-style-type: none"> <li><b>Contactless interface</b></li> </ul>	
Frequency range	13.56 MHz
Reading technique	Contactless
Reading range	up to 3 cm
Compliance	14443A-4 (T=CL)
Certifications	CE, FCC

- High level of security, fast read transaction speed, flexible (dynamic) file structure
- Custom configuration - completely configurable for every access control application
- Enables future uses for computerized systems (electronic signature, encoding, etc.)
- Open architecture design - ISO 14443A compatible for card interoperability



Pictures in this brochure are for illustration purposes only. The technical data sheet packed with the product is the only obligatory source of technical information

