

27 Series Smart Credentials

The IPIXA 27 Series covers the portfolio of readers and credentials for physical access control. The range is designed with the system integrator and end user's security requirements in mind, leaving out features and specifications that the end user don't need and might never use, thereby making them efficient and cost effective. 27 Series covers both RFID Card readers & credentials.

Smart Credentials provide the greatest level of security and can be utilized for a variety of

applications:

- Access Control
- Car Parking
- Public transportation
- Contactless payments
- Employee Cards
- Loyalty programs

Features:

- Open: Smart Credentials are built on MIFARE DESFire Technology, which enables end users to seamlessly integrate any third party application in addition to access control.
- Secure: Built-in features include Mutual three-pass authentication, Anti-collision, and AES 128 Encryption.



Smart Credentials



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27 Series Smart Credentials

Part Number	MD27CK1	MD27CK2	MD27CK4	MD27CK8
Memory	1K (8k bit)	2K (16k bit)	4K (32k bit)	8K (64k bit)
Operating Frequency	13.56 MHz			
RF Standard	ISO / IEC 14443 Type A			
Typical Read Range	Up to 4 inch , 10 cm			
Transaction Time	< 100 ms			
Temperature	Up to 70 Degree Celcius			
Write Endurance	200,000 Cycles			
Data Retention	Min. 10 Years			
Programming	Factory or Field			
Printable	Yes			
Weight	6 g			
Anticollision	Yes			
Authentication	Mutual Three Pass Authentication (ISO / IES DIS 9798-2)			
Warranty	Lifetime - Refer T&C			
Card Surface	Card Material optimized for printing.			
Photo ID	Print direct to card using direct image or thermal transfer printer			
Encryption	MIFARE Classic	■ —————	MIFARE DESFIRE EV3	————— ■



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