

ISG™ Contactless Smart Credentials



MOCA™ an ISG brand



Using standard MIFARE AND MIFARE DESFire EV1 13.56 MHz technology, the ISG provides powerful, secure and flexible credential technology designed to handle multiple applications.

All contactless smart credentials are offered under the banner of ISG MOCA (Multi-app Open Card Architecture). MOCA provides you with the ability to add additional data and applications to the smart credentials, a single point of enrollment and card issuance (read/write in the printing process), and ability to manage your own secure keys. With MOCA you have flexibility; you're not locked into a proprietary technology. MOCA cards make it easier for you to add applications and even manage smart card keys.

The transition from traditional credential technology to smart technology can be complicated.

Your questions may include:

- What technology should I choose?
- How do I read from/write to the credential?
- How do I assure all current and future applications will work?
- What will it all cost?



Let your local ISG Dealer provide expert consulting to give you market information and choices.

Advantages of MOCA Smart Credentials

- Contactless smart credentials are more secure than old Proximity (125 kHz) technology
- Greater storage capacity
- Lower cost than other choices
- Faster read speeds
- High Frequency 13.56 MHz is the most widely used contactless technology in the world
- Ability to write additional information and applications to the credential
- Flexibility in security keys

Multiple Application Examples

- Secure door access control
- Logical security & single sign-on
- Payments – cafeteria, vending, copy, transit
- Tracking of people, places and things
- Biometric access

Form Factors

- ISO standard PVC or durable composite material
- Magnetic stripe option
- Key fob or PVC disk
- All cards use industry standard CR80 card size

Contactless Smart Credential Choices

- MIFARE – 2.5k bit (5 sectors), 1k byte (16 sectors), 4k byte (40 sectors)
- MIFARE DESFire EV1 – 2k, 4k, & 8k byte.
- Dual-technology – Prox 125 kHz and 13.56 MHz technologies in one credential. Prox and UHF RFID or 13.56MHz and UHF RFID into one credential.
- UHF RFID – Long read range operating on 902-928 MHz.



Identification Systems Group

— ISG™ is a nationwide network of local system integrators in identification, security, and card personalization, providing high quality, cost effective solutions backed by local support and the strength of our Professional Services Certification program. Each company works together to provide seamless nationwide support and collaboration in the identification and card issuance industry.

Your Local ISG Dealer

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