

Card Management Systems

Card Management Systems (CMS):
the pivot of Multifunctional Chip Card Systems.

Whether you are in the early stages of planning your migration towards or already finished implementing a multifunctional chip card system, there are many commercial and security benefits to be gained by selecting the right Card Management System to support it.

Risks of issuing double cards, losing card or transaction details caused by standalone and fragmented systems are lurking without the support of a Card Management System (CMS).

What is a Card Management System?

The majority of medium sized and larger (governmental) organizations are in the process of adopting a multifunctional chip card system or already finalized the implementation. A multifunctional chip card system is a system to enable employees to have access to organizational services such as access control and registration by using one card only.

What is the use of a Card Management System?

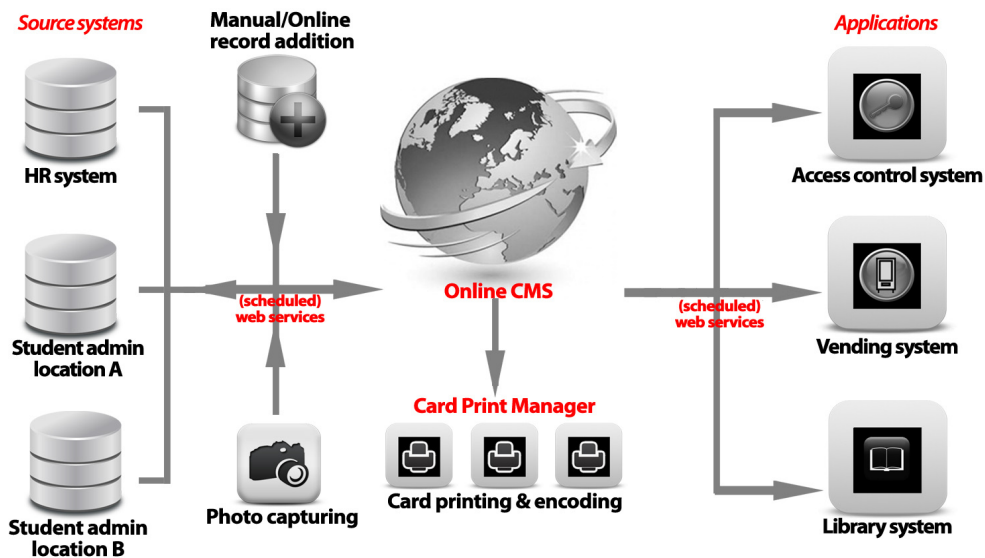
The success of a multifunctional smart card system is largely determined by controlling card issuance and managing the encompassed applications. Having a CMS you dispose of one system only to monitor the card life cycle, to manage the links to the underlying databases and applications and the intermediate processes.

A web-based CMS offers organizations a secure and user friendly user interface for registration, card requests and management information.

CMS functionalities:

- Card holder data processing
- Photo/signature/biometrics capturing
- Card number assignment
- Card printing and encoding
- Card life cycle monitoring
- Updating related applications

Sample data model Card Management System



How does a Card Management System work?

A crucial step in the process of implementing a CMS is setting up a data model for your organization. The data model will describe from which source systems (e.g. student admin system or HR system) data has to be collected. Other data model components are: the option for additional direct data input (e.g. photo, signature), what data should be collected and what details will be used for card production and what applications have to be updated with the card details and mutations. The data model may contain both uni- and bidirectional links to the CMS central database.

Data is added and edited by individual users within the different card applications that are given access to the system by site administrators. The number of sites is limitless and there is no restriction on concurrent users.

After selecting the correct data for your badge production, you can choose to produce the cards in a local printing environment using a Card Print Manager. For more security, you may also require in house batch printing at a central location. As a third option, if there is no budget or capacity to set-up a card printing environment, you can have your cards produced by a third party service bureau.



Supported applications

- Access control
- Cashless catering
- Vending
- Parking
- Enrollment
- Photocopying/printing
- Library usage
- Clothing issue
- Etc...

What is important choosing a Card Management System?

An online Card Management System helps you achieve greater efficiency by improving access for remote users while streamlining the ID card management and production process. How to choose wisely?

Web-based	Check if the CMS is web-based as this significantly reduces the costs as no local software is required and an online system gives you the required flexibility of remote accessing the system.
Card independency	Can the CMS be used in combination with a broad variety of smart cards (such as MIFARE Classic, DESFire and whatever the future will be bring...)
Flexibility	Can the supplier adapt the CMS to your organization's requirements? (strong development and integration skills required)
Future	Does the CMS allow room for future development and expansion into new and additional applications?
Card production	What card production options are available (e.g. local printing on demand, centralized batch printing or service bureau printing)
Available components	What hard- or software components are available within the organization that you would like to re-use within the CMS environment?
Project management	Is there enough project management available within your organization and does the supplier offer skilled project management support?

CardsOnline Card Management Systems

CardsOnline (COL) is a proven card management system that measures up to the highest standards for multi-functional chip card enrollment and management in an easy, controlled and cost efficient way. COL is a web-based and application independent solution. So, you are free in the choice of connecting most current brands and systems for access control, time registration, payment, etc. CardsOnline can be customized to fit a wide variety of requirements and future integrations.