



ELECTRONIA



e-ACADEMIA SOLUTIONS

With Electronia's e-Academia solutions, schools can now take advantage of unprecedented security, organization, and convenience that distinguished organizations all over the world have long gained from smart cards.

Benefits of Smart card based School ID

- Multi-application:** In addition to School ID, Access Control/Attendance, E-Purse, applications such as Medical, Insurance, etc can also be added.
- Strong Authentication:** Biometrics combined with Smart card technology (optional)
- Security/Privacy:** Impossible to hack and duplicate
- Rapidity:** Fast verification using Contactless Technology.
- Turnkey solutions:** Comprehensive solution developed in Saudi Arabia
- Bilingual:** Arabic/English user interface: Card issuing Process and Reports
- Offline Operation:** The Terminal operation is offline and does not require the availability of database connection
- Large storage:** 10,000 transactions can be stored inside the Terminal

- Unlimited population:** All Information are stored Inside the individual Smart card and not on the Terminal Memory
- Multi-site operation:** Easy to transfer employees between locations and able to mark their attendance
- Easy to maintain:** No need to maintain Access control information for each location whenever there is addition or deletion of employees
- Expandable:** Solution is expandable to more locations to add more terminals or new applications
- Future proof:** Based on State-of-the-art Contactless Smart card Technology. Choice of 1K or 4K smart card is available.

Electronia e-Academia solution is based on Industry standard contactless smart card technology providing a complete system consisting of Smart Cards, EISmart Access Control Terminals, EISmart Attendance Terminals, Portable Terminals, Smart card Programmer and Bilingual (Arabic/English) Application software.

The e-Academia solution integrates the following functions using a single Smart card:

- Access Control for Staff/Students
- Time and Attendance for Staff/Students
- E-Purse transaction for Cashless purchases at different POS locations
- Ability to Program, Issue and Revalue card
- ID card of Staff and Students of the School

These solutions are based on Offline verification technology and require the communication network only for the purpose of monitoring. The scheme will share the LAN or other communication facility available and does not require for dedicated communication network.

The solution is classified into two main categories:

- a) For Staff and Students
Staff/Student Identification, Access control, Time & Attendance calculations, Cashless Vending machines and other Payments (Cafeteria, Photocopier, etc), Computer Login Control
- b) For Staff and Expensive equipment/movable assets
Real-time monitoring of Staff and assets, Staff Location Identification for functions such as call re-direction. Keeping track of the movement and location of expensive items

The Tracking of Staff and expensive equipment or portable assets is provided through a long range RFID solution.

Additionally, Fingerprint based Biometric techniques can be provided for a positive identification of the cardholder.

EISmart Card: Surface Printing and Finish

The EISmart card can be provided with different surface printing option with single/double side printing. Full color on one side and black on the other. Surface treatment options include Duraguard® coating or Hologram application with Duraguard®.

Interfacing to School Database

For automatically transferring the Staff/Student information from School database, a common interface format such as a Text file can be designed to eliminate the requirement to manually enter the details. The Staff/Student Database will include the following features:

- ODBC compliant
- Interface support to Repository Database
- Import/Export of information\
- User friendly Graphical User Interface
- Bilingual (Arabic/English)
- Powerful Search facilities
- Attendance Privileges
- Expiry date
- Blacklisting
- Temporary Student cards



Sample of the Staff and the Students ID cards