



ELECTRONIA



## SMART HEALTH CARD SYSTEM

The large storage capacity of EISmart Health Card and its excellent processing capabilities make it an ideal choice for implementation in health care systems.

A health system based on smart cards offers considerable benefits for all involved—patients, service providers, and health insurance providers alike:

- o Improved confidential communications within the health care system
- o Enhanced quality of treatment
- o Optimized business processes
- o Cost reductions
- o Counterfeit-proof card

Like a computer, EISmart Health Card has a microprocessor chip inside, enabling it to store information. Patients authenticate themselves to the card by means of a PIN, and can permit the physicians of their choice to access their personal data.

The Health Card is counterfeit-proof and the patient is clearly identifiable by means of a photo and the PIN. This avoids the risk of misuse connected with conventional cards.

EISmart Health Card provides secure storage of the patient's personal file. This includes medical history records such as test results, physicians reports, X-rays, ECGs, etc. Social history, demographic and insurance information, and other relevant patient data can also be stored and updated from time to time.

Access to previous examination results allows a faster diagnosis and enables a comparison to be made with new findings. Moreover, duplication of examinations and tests can be avoided, leading to cost savings. For security, patient data can only be read when patient and physician have been authenticated. In addition, electronic signing of the data can ensure that there is no subsequent alteration to guarantee the integrity of the records.

An intelligent e-health system in practice offers many benefits, driving many national governments to implement them in their health systems. EISmart Health Card provides patients with significantly more transparency as far as their medical records and treatment costs are concerned.

### Features

- o Easy to Update, Privileged Access, Accurate and Quick Registration
- o Personal information and photograph
- o Emergency information
- o Hospital information
- o Immunizations
- o Diagnoses – Medical conditions
- o Surgical procedures
- o Current medications
- o Health care provider information
- o Insurance information
- o Sensitive private information
- o Family history
- o Medical devices
- o X-Rays, ECG (capacity depends upon request and application with dual memory card)

# SMART HEALTH CARD SYSTEM

## Benefits

- o Easy to carry
- o Prompt response to emergency medical situations
- o Computerizes medical insurance management
- o Prevents premium payment delinquency on part of the insured, and prohibits false reimbursement claims by medical institutions
- o Preventive Care
- o Generation of medical claims reports.

## Technical Specifications

### Health Card/Professional Card

<b>Card Type</b>	Contactless
<b>Memory Capacity</b>	8Kb, 32Kb or more/8Kb for professional card
<b>Industry Standard</b>	ISO/IEC 14443
<b>Terminals Type</b>	On-line Terminals Standalone Terminals

## Applications

Hospitals, clinics, pharmacies, oriental medicine, hospitals, health insurance corporations, etc.

## Reader configuration

### Ambulance

Smart card reader attached to a Laptop computer and software or a standalone reader with scrollable display Software supports reading of Emergency Information without professional card

### Administrator/Reception desk

Contact Smart card reader attached to PC  
Finger print reader (optional)  
Application software  
Software support to read personal Information, Insurance information and to update hospital visits, Bill amounts only

### Doctor's Office, Labs, Pharmacy

Dual-Reader Terminal attached to PC  
Application Software  
Privileged access to selective folders

## Health Care Software

MS Windows based  
Open database connectivity  
Interface option to standard hospital management systems  
Automated claims against bills



### HEALTH INSURANCE

- Treatment details for reimbursement
- Clearance

### AMBULANCE

- Emergency

### LABORATORIES

- Blood/All Tests

### MEDICAL CARE

- Check-ups
- Nursing cares
- Others

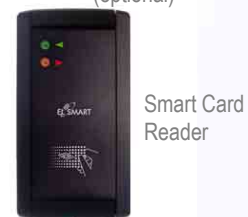
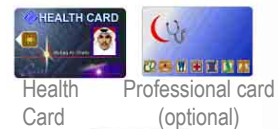
### ADMINISTRATION

- Admissions
- External consultations
- Enquiry

### CHEMISTS

- Prescriptions

## Standard Configuration



Health Professional's Computer with EI Smart Application

**smart healthcare record**

Name: Mutlaq Al Othabi Record No: 211949  
Age: 28 Updated on: 4/12/99

Hospitalization Medical Device Current Medications Family History Lab Report Private  
Personal Progress Notes Medical Provider X-ray Allergies Emergency Immunization

Name: Middle: Last:  
Name: Mutlaq Othabi  
Address: P.O. Box 000  
City: Jeddah State: Eastern Province  
Country: Saudi Arabia Zip Code: 31952  
Birthdate: 10/2/73 Gender:  Male  Female  
Occupation: Security Guard Marital Status: Married  
Phone (1): 01197549576 Phone (2): 011457-3629  
Blood Type: A- Organ Donor:  Yes  No

