



## EXCHANGING SOFTWARE POSSIBILITIES



designer	entry	premium	professional	ultimate
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
○	○	●	●	●

### Package and installation

Setup program on CD
Multilingual (15 languages)
On-line manual
License on USB dongle

### Tools and functionality

WYSIWYG Card Designer
Front and back print management
Text, image, barcode 1D, RTF, Database, and graphical objects
Transparency
Shrink text to fit functionality
Style editor for flexible text formatting
Formatting of numbers, dates and boolean values
Support of all Windows fonts
Using variables and functions
Windows-based printer support
Ribbon interface (selectable, Classic or Ribbon)
User guided Step-by-Step wizard
Card front and back side preview in main window
Multiple card-layout coupling
Global counters
Batch printing
Barcode 2D, PDF
Support of Storage Items
Reporting number of printed cards per card layout
Add visible notes to card layout
Export card layouts to image files
Flexible acquisition of image
Advanced group and user login management
VB.NET Functionality

### Photo, Signature, and Imaging

Importing photos and images
Photo cropping/editing (ImageExchange)
Twain image acquisition
Exporting photos
Variable images
Image tools selectable by source
Advanced photo options
Video-for-Windows image acquisition
PhotoExchange@ Standard (Canon camera, Logitech, DirectShow, etc)
PhotoExchange@ Professional (includes automatic face recognition)

### Database

Internal MS Excel database templates
CSV and MS Excel file connection with live adding records (OLEDB)
Automatically generate unique keys for MS Excel and CSV files
Dockable windows for database editing
Easy searching for names
Manual entry of data not available in the database
Automatic backup and recovery of metadata
Database-connection wizard
Encrypted storage of database user names and passwords
Internal MS Access database templates
MS Access database connection
Storing photos in the database
Advanced database filter functionality
Definition of named filter buttons
Advanced record sorting facilities
Connecting to an internal view or query
Database edit options (acquire /new record, etc)
Select values from drop-down boxes in database edit window
Defining whether fields in the database are editable and visible
Native connections to MS SQL, Oracle, DB2, MySQL, PostgreSQL, etc.
ODBC support including Caché
Multiple Database Server connections (push and pull)
Autoprint server

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### Magnetic Encoding

Encode track 1, 2 and 3
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### Contactless Encoding

MIFARE® Classic 1K, 4K, MAD 1 and MAD 2
MIFARE DESFIRE® including EV1
HID Proximity Read
Encoding on External Readers

### External Functions

Coupling to external dll's with customized logic
Encoding of smart cards by means of external program
Encoding of iClass Cards by means of external program

### Specifications

Windows XP with SP 2, Vista with SP2, Windows 7 (32 or 64 bit)  
 Internet Explorer 7 or higher  
 PC-bound licenses (web activation)  
 Dual Core, 1024 Mb (advice)  
 200Mb of free disk space  
 Microsoft .NET Framework 3.5 SP1 (included with installer)  
 Protected by Sentinel RMS

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Multiple card design coupling | Powerful high-speed database connections | Advanced filter functionality | Simple card management | User-friendly interface



# Simplicity means an easy to use interface even for complex solutions.



## POWERFUL SOFTWARE CAPABILITIES

CardExchange® continues to offer users the ability to manage an unlimited number of card layouts. Every card layout can have its own database connection(s), printer settings, camera settings, etc. In combination with the use of card groups, CardExchange® provides a more logical setup of the process, e.g., select the card-layout, select the cardholders name in the left column, take a picture and/or capture a signature, then print the currently selected card. Whether a user is creating database connections, configuring MIFARE® and/or DESFire®, or using External Plug In's, the user is just a couple of clicks away from producing a card. Simplicity is our main goal!

CardExchange® is available in four editions; Entry, Premium, Professional, and Ultimate. Starting with MS Excel connections in the Entry edition, the powerful Professional edition enables real database power with multiple database and native connections. The Ultimate edition closes the editions by adding contactless encoding for MIFARE® Classic, DESFire, and HID Proximity.



## GROUP AND USER MANAGEMENT

With CardExchange® Premium edition we offer enhanced group and user management. It allows creation of groups, adding users to group(s), and setting policies for the group and/or the user. In combination with a logon and logoff system, the administrator can protect in detail what the user and/or the group is able to do with CardExchange®. Creating group policies will ensure that end users are not doing things they are not allowed to do.



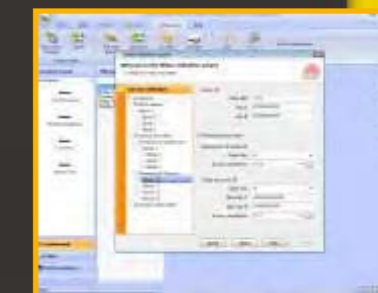
## EASY TO USE WIZARD

Our easy to use 11 page wizard is a tool that enables users of every level to create a card and connect to a database by walking the user through a series of questions that help simplify the process. The user can create a group or connect to an existing group, connect to an internal database, select fields from a data source that is wanted for the card, add background color or fit to card image, create a logo, create a barcode, and much more! Once the user is done using the wizard, the card is created, data source is connected, and it is ready to use. If desired a user can always edit the card to further specifications by using CardExchange® powerful features which can easily be applied to the new card.



## CONTACTLESS POWER ON DEMAND

With the CardExchange® Ultimate edition users have access to all the leading technology for contactless encoding. The Ultimate edition supports the entire MIFARE® Classic range (1K, 4K, MAD 1 and MAD 2), including powerful functionality to search for free sectors within the MIFARE® card. Also MIFARE® DESFire including EV 1 is available with this Ultimate edition. It allows for creation of applications and adding files in a very easy and intuitive way. Reading and writing, or write only or read only, are all supported with this powerful module. The contactless module also includes read functionality for HID Proximity cards. All this encoding functionality, in combination with our External Plug In's, offers unlimited possibilities.



## PHOTOEXCHANGE® and PHOTOEXCHANGE® PRO

PhotoExchange® allows for enabling camera support into your CardExchange® application starting from the Entry edition. PhotoExchange® Add On product is offered in two different editions and allows users to control Canon cameras, use Logitech web cameras, or any other DirectShow supporting camera inside the CardExchange® application.

Our programmers created this functionality not as a normal Twain driver, but created an executable application. The advantage of this is that it allows the Add On to run in Windows XP compatibility mode, and therefore the Canon cameras that are not supported for Vista, become available in Vista and Windows 7.

Based on live video, this new Add On enables users the ability to take high quality photos in a quick, easy to use and stable way. In combination with the face recognition edition of PhotoExchange® Pro, no cropping or editing of photos is needed.

In the Professional edition, the PhotoExchange® Standard functionality is already available. Our Ultimate edition includes the PhotoExchange® Pro functionality.

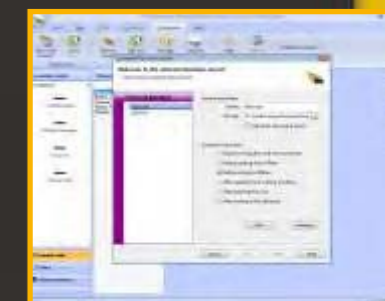


## PROJECT SOLUTIONS WITH EXTERNAL PLUG IN'S

With the CardExchange® External Plug In's, we offer the most flexible and powerful platform for the implementation of client-specific logic. Any non-existing functionality or third party software development kits (SDK) can be embedded and can be called from CardExchange®.

External Plug In's are very easy to implement and have no limitations to the type of functionality that can be incorporated in CardExchange®.

The External Plug In's make sure that functionality is not limited to the highest software edition, and it enables users to enter project markets where standard solutions will limit partner offerings.



## ADVANCED FILTER CAPABILITY

CardExchange® offers the utmost functionality to search and filter data from internal or connected databases. Within the Entry edition, users have powerful search functionality in the auto filling name list. Just start typing the name and the name list will show the results directly.

Within the Premium version, CardExchange® offers our advanced 3 level filter technology. With these 3 levels users can protect data that users don't want to show to the end user, configure filter buttons for database queries, and search live for data within the connected database.

This powerful and flexible filter technology ensures that CardExchange® can provide configured conformity with requirements in respect to the performance and protection of data!



## INTERNAL OR EXTERNAL DATABASE

CardExchange® Entry is the first edition that supports use of preloaded MS Excel application files or connections to an external data source. Connection to the internal or external data source can also be achieved. Users can maintain MS Excel files with CardExchange® because of an updatable connection with the file. This means CardExchange® can insert and update new records.

In the Premium edition, users are also able to connect to a preloaded MS Access file or to an external data source. Professional edition allows users to make direct connections to database servers; i.e. MS SQL Server, Oracle, MySQL, DB2, Ingres, and PostgreSQL. For other databases, the Professional edition supports connections via ODBC that can be set up in seconds!

Aside from the powerful database connections, the Professional edition also enables connections to unlimited database servers via our Multiple Database Server connection. This allows the ability to exchange information between all connected database(s) based on an embedded push and pull technology.

Last but not least, the Professional edition supports CardExchange® Auto Print Server, which offers functionality that will automate your print process by letting CardExchange® monitor the connected database(s).

100% flexibility is guaranteed!

