

	designer	entry	plus	premium
Package and installation				
Setup program on CD	✓	✓	✓	✓
Microsoft Windows compatible 2000 and XP	✓	✓	✓	✓
PC-bound licenses (web activation)	✓	✓	✓	✓
On-line manual	✓	✓	✓	✓
Multilingual	✓	✓	✓	✓
License on USB dongle				✓
Tools and functionality				
WYSIWYG Card Designer	✓	✓	✓	✓
Front and back print management	✓	✓	✓	✓
Text, image, barcode, RTF, OLE and graphical objects	✓	✓	✓	✓
Shrink text to fit functionality	✓	✓	✓	✓
Object grouping	✓	✓	✓	✓
Easy object selection in object tree view	✓	✓	✓	✓
Advanced object-properties window	✓	✓	✓	✓
Style editor for flexible text formatting	✓	✓	✓	✓
Formatting of numbers, dates and boolean values	✓	✓	✓	✓
Support of all Windows fonts	✓	✓	✓	✓
Flexible positioning and sizing of text objects	✓	✓	✓	✓
Importing photos and images	✓	✓	✓	✓
Automatically resizing of large images	✓	✓	✓	✓
Using variables and functions	✓	✓	✓	✓
Windows-based printer support	✓	✓	✓	✓
Online manual	✓	✓	✓	✓
Multiple card-layout coupling		✓	✓	✓
Shortcut bar for easy switching between cards		✓	✓	✓
Easy-to-use four-clicking interface for card production		✓	✓	✓
Photo cropping/editing (ImageExchange)		✓	✓	✓
Twain image acquisition		✓	✓	✓
Exporting photos		✓	✓	✓
Batch printing			✓	✓
Variable images			✓	✓
Reporting number of printed cards per card layout			✓	✓
Use of computer environment variables				✓
Export card layouts to image files				✓
Flexible acquisition of image				✓
Image tools selectable by source				✓
Advanced photo options				✓
Support of CardExchange modules				✓
Authorization of users through User licenses				✓
Copying and pasting photos				✓
Video-for-Windows image acquisition				✓
Shortcut bar for direct printing to multiple Windows printers				✓
Database				
CSV-file connection with live adding records (OLEDB)		✓	✓	✓
MS Excel-file connection live adding/editing records (OLEDB)		✓	✓	✓
Selecting database columns for viewing or editing		✓	✓	✓
Inhibit editing of database tables		✓	✓	✓
Global counters		✓	✓	✓
Setting steps in Global counter		✓	✓	✓
Storing photos as point to image		✓	✓	✓
Add and cut leading zeros from database		✓	✓	✓
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		✓	✓	✓
Caching of database records for optimal performance		✓	✓	✓
Encrypted storage of database user names and passwords		✓	✓	✓
MS Access database connection (OLEDB)			✓	✓
Paradox database connection (OLEDB)			✓	✓
Automatic face recognition with FaceSnap®				•
Storing photos in the database			✓	✓
Connecting to multiple database tables			✓	✓
Advanced database filter functionality			✓	✓
Definition of named filter buttons			✓	✓
Storing print counters in the database			✓	✓
Advanced record sorting facilities			✓	✓
Storing print dates into the database			✓	✓
Connecting to an internal view or query				✓

✓ Functionality available in this edition • Functionality available in this edition by means of modules

designer	entry	plus	premium	
				✓ Database edit options (acquire /new record, etc)
				• Direct communication with SQL database server
				• Direct communication with Oracle database server
				• Direct communication with MySQL database server
				• Direct communication with DB2 database server
				• Connecting simultaneously to multiple database servers
				• Copying information between database servers
				Magnetic Encoding
✓	✓	✓	✓	Encode track 1, 2 and 3
				Mifare Encoding
				• Storing Mifare chip serial number in database
				• Reading Mifare data items and storing them in the database
				• Storing HID Proximity chip serial number in database
				• Mifare 1K, 4K, MAD 1 and 2 support
				• Creation of portable encrypted Mifare Definition Files
				• Powerful MIFARE Definition Wizard
				• Checking, reading and updating MAD automatically
				• Writing information to Mifare data items
				• Setting access condition for each block
				• Setting keys for each sector
				• Hexadecimal input of access conditions with integrity check
				• Support of ASCII, hexadecimal, BCD, binary and numerical data
				• Writing multiple applications in a single definition
				• Registering AID codes in the MAD
				• Automatically searching for free sectors
				• Flexible distribution of applications over free sectors
				• Option to make login keys application bounded
				• Advanced exception handling
				• Diversified keys support (combination with External Functions)
				• Rijndael Encryption methods
				• Irreversible hiding of keys
				• Share one Mifare Definition File between different cards
				• Printing chip serial number on the card
				• In-line Mifare encoding
				• Mifare encoding on an external reader
				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
Available Modules				
MS SQL Server				
ORACLE				
MySQL				
DB2				
Multiple Database Server				
Mifare Encoding				
Specifications				
Windows 2000 with SP4, Windows XP with Sp 1				
Internet Explorer 5.01 or higher				
Pentium III, 256 Mb (advice)				
200Mb of free disk space				
Microsoft .NET Framework (included with installer)				
Protected by SafeSign				

Brought to you by:



Headquarters:  
Kalkovenweg 36  
2401 LK Alphen aan den Rijn  
The Netherlands  
O: +31 (0)172 - 520 548  
F: +31 (0)172 - 413 746  
Sales@Exchangell24.com  
Exchangell24.com  
US Office:  
49 North Federal Highway #199  
Pompano Beach FL 33062-4304 USA  
O: +1 954.788.8989  
F: +1 954.252.4647



# EXCHANGING SOFTWARE POSSIBILITIES



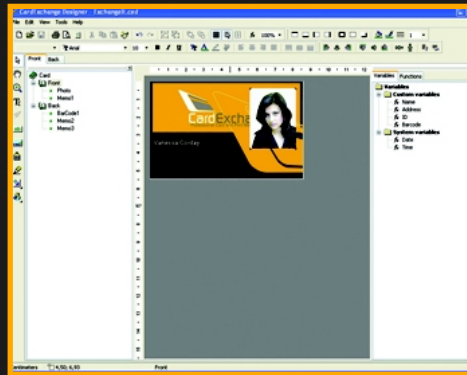
Multiple card design coupling | Powerful high-speed database connections | Advanced filter functionality | Simple card management | User-friendly interface



From now on, issuing new identity cards will be done in a few seconds.  
By a simple mouse click, you can put the correct personal data on your card design,  
take a picture of the person in question and send a print command to your card printer.



## CardExchange® Designer

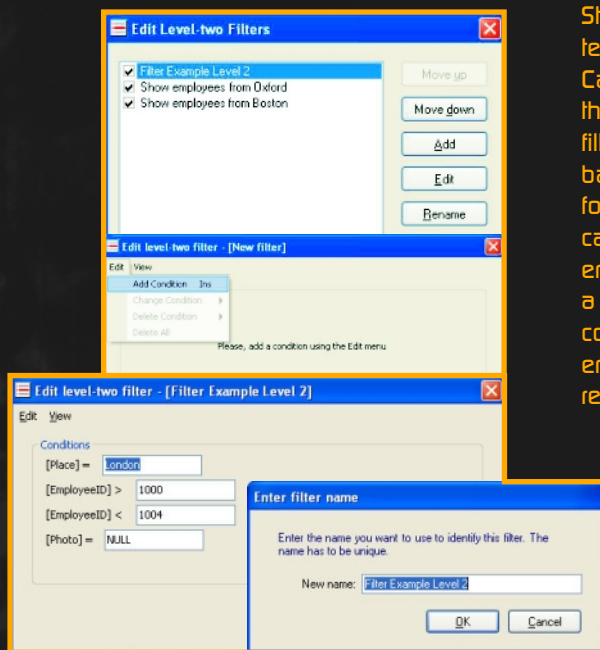


Our powerful CardExchange® Designer is based on the WYSIWYG "What You See Is What You Get" principle. Just easy drag and drop functionality and double sided card layout support, this new designer brings easy card designer at hand.

Besides of the normal designing tools, CardExchange® Designer has more advanced and powerful functionality. Both the front and back of the card are presented in the object tree-view window where every object of the card layout can be select. You will have no more problems with moving objects and it is very easy to make small corrections. All standard Windows fonts are supported. You set variables and functions for objects like concatenating and formulas.

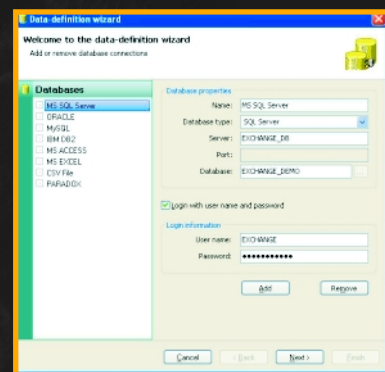
CardExchange® Designer is also included in our Entry, Plus and Premium versions of our software, which means that it is easy to upgrade to higher levels and use your existing card layouts / templates without modifications..

## Advanced filter functionality



Starting from CardExchange® Plus edition offers advanced three-level filter technology. The first level can be used to hide data completely from any CardExchange® user and offers functionality to show only the information that is valid for the select card layout. The second level is a series of named filters defined by the administrator and presented as buttons in the short-cut bar. By pressing one of those buttons, the user can limit the visible names to, for example, employees of a specific department or students whose identity card has not been printed yet. The third level always prompts the user to enter filter data. It is designed to avoid loading the entire name list while only a single record is needed and enables you to search directly on the connected database Server. This powerful and flexible filter technology ensures that CardExchange® can be configured in conformity with your requirements with respect to performance and protection of your data.

## Powerful database connections



CardExchange® Premium allows you to use our powerful database modules for DB2, MS SQL Server, MySQL, and Oracle. These database modules offer high speed and secure database connections and you can load large amounts of card-holder data to your computer within a very short time. The new Multiple Database Server connection module enables you to connect unlimited databases to one card layout and you can exchange information between all connected databases.

Do you need to have the MIFARE chip serial number available in all your connected databases? Or need to store the picture in all connected databases? No problem if you use this module. It includes the functionality to create internal queries/views, 100% flexibility is guaranteed.

## Simplicity of Four Clicks

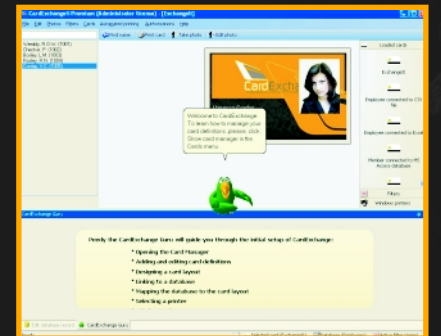
Starting with the CardExchange® Entry edition we offer the world's most intuitive user-interface available in any software.

**Just by four simple clicks you are starting your card production; Select the card-layout, select the cardholders name, take a picture and print a card.**

If you are creating powerful database connections, or configuring MIFARE encoding, or using External Functions; you are only Four Clicks away from producing your card.

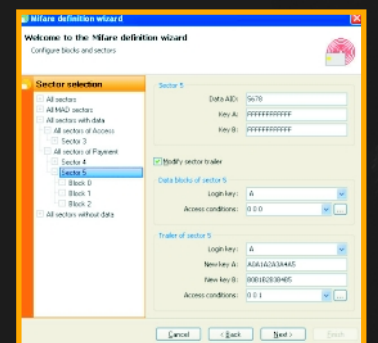
The CardExchange® Four Clicking Interface offers you the possibility to manage an unlimited number of different card layouts, where every card layout can have their own specific database connection, printer selection, etc. Just by simply selecting the card layout, all the required setting are loaded and managed by CardExchange®. In combination with our External Functions there are almost no limitations to the kind of functionality we can offer.

Another unique feature of our software is the CardExchange® Guru "Peedy" which is powered by Microsoft Agent 2.0 character data file (.acs format). Microsoft Agent is a software technology that enables an enriched form of user interaction that can make using and learning to use a computer, easier and more natural. When you need assistance with any software function such as creating or loading a card layout our CardExchange® Guru to provide step-by-step instructions and help you accomplish the task.



## Contactless power on demand

CardExchange® offers a power plug-in module for encoding MIFARE cards. This plug-in module allows you to create a read and write definition and process them at the same time. In combination with our External Functions the possibilities are unlimited. For example, you can create a read definition that reads the MIFARE chip serial number then the External Functions calculates, based on the chip serial number, the new data and the write definition writes the this new data to the MIFARE chip. The MIFARE functionality is available through our fully integrated MifareExchange® SDK. It offers a straightforward wizard to define precisely how data is to be written to the MIFARE chip and how sectors are to be protected with keys. It supports MIFARE 1K and 4K as well as the MIFARE Application Directory (MAD). All settings are stored in a portable, encrypted MIFARE-definition file that can be reused for as many cards as you want.



## External functions module

With the CardExchange® External-Functions module offers the utmost flexibility for the implementation of client-specific logic. Any non-standard functionality can be encapsulated in a dynamic-link library that can be called from CardExchange®. In the card-item properties window, its output variables can be linked to card items, while its input variables are linked to standard data sources.

You can, for example, combine a manually entered site code, with a card-issue number that is retrieved from the database and a global counter that serves as card number into a 46-bit Wiegand code to be written to the MIFARE chip. External Functions are easy to implement and there are virtually no limitations to the functionality we support.

