

	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	●	●	●	●
Multiple object selection, alignment and formatting	●	●	●	●
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	●	●	●	●
Using variables and functions	●	●	●	●
Windows-based printer support	●	●	●	●
Online manual	●	●	●	●
Multiple card-layout coupling	●	●	●	●
Shortcut bar for easy switching between card layouts	●	●	●	●
Easy-to-use four-clicking interface for card production	●	●	●	●
Photo cropping/editing	●	●	●	●
Twain image acquisition	●	●	●	●
Exporting photos	●	●	●	●
Batch printing	●	●	●	●
Variable images	●	●	●	●
Reporting number of printed cards per card layout	●	●	●	●
Support of CardExchange modules	●	●	●	●
Authorisation of users through User licenses	●	●	●	●
Auto print functionality	●	●	●	●
Copying and pasting photos	●	●	●	●
Video-for-Windows image acquisition	●	●	●	●
Shortcut bar for direct printing to multiple Windows printers	●	●	●	●
Database				
CSV-file connection (OLEDB)	●	●	●	●
Live adding records to CSV files	●	●	●	●
MS Excel-file connection (OLEDB)	●	●	●	●
Live adding and editing of MS Excel files	●	●	●	●
Selecting database columns for viewing or editing	●	●	●	●
Inhibit editing of database tables	●	●	●	●
Global counters	●	●	●	●
Storing photos as point to image	●	●	●	●
Dockable windows for database editing	●	●	●	●
Easy searching for names	●	●	●	●
Manual entry of data not available in the database	●	●	●	●
Automatic backup and recovery of metadata	●	●	●	●
Live editing of database records	●	●	●	●
Caching of database records for optimal performance	●	●	●	●
Advanced card-definition and database-connection wizard	●	●	●	●
Encrypted storage of database user names and passwords	●	●	●	●

● Functionality available in this edition ● Functionality available in this edition by means of modules

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MS Access database connection (OLEDB)			●	●
Paradox database connection (OLEDB)			●	●
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			●	●
Direct communication with SQL database server			●	●
Direct communication with Oracle database server			●	●
Direct communication with MySQL database server			●	●
Connecting simultaneously to multiple database servers			●	●
Copying information between database servers			●	●
Encoding				
Encode track 1, 2 and 3	●	●	●	●
Contactless smart-card module (Mifare)			●	●
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			●	●
Mifare Encoding				
Storing Mifare chip serial number in database			●	●
Reading Mifare data items and storing them in the database			●	●
Storing Proximity chip serial number in database			●	●
Mifare 1K support			●	●
Mifare 4K support			●	●
Creation of portable encrypted Mifare Definition Files			●	●
Very user-friendly Mifare Definition Wizard			●	●
MAD version 1 and 2 support			●	●
Checking, reading and updating MAD automatically			●	●
Writing information to Mifare data items			●	●
Setting different access condition for each block			●	●
Setting different 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			●	●
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			●	●

Specifications

Windows 2000 with SP 4, 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)

EXCHANGING SOFTWARE POSSIBILITIES



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

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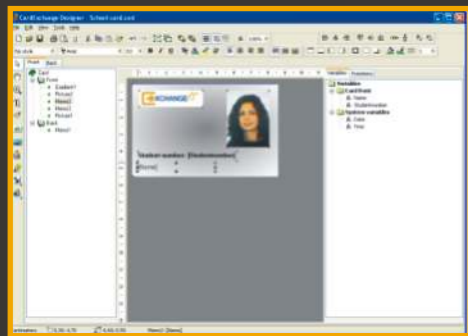




From now on, issuing new identity cards will be done in a few seconds. By a simple mouse click, you can put the correct personal data on your card design, take a picture of the person in question and send a print command to your card printer.



CardExchange® Designer



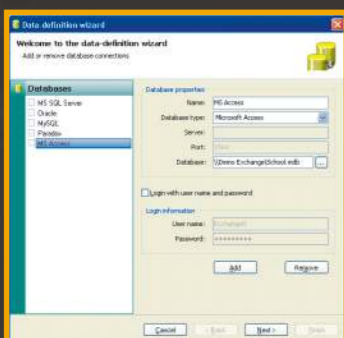
With the release of CardExchange® 2.0, Exchangelt introduces their own new developed Card Designer application, CardExchange® Designer. CardExchange® Designer is based on the "What You See Is What You Get (WYSIWYG)" principle. Just easy drag and drop functionality and double sided card layout support, this new designer brings easy card designer at hand. Besides of the normal designing tools, CardExchange® Designer has some functionality. The front of backside of the card are presented in a object treeview where every object of the card layout can be select. No problems anymore with moving objects and easy for 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 CardExchange® 2.0. That means that it is easy to upgrade to higher levels and use you already designed card layout at once.

Powerful card definition manager



The new CardExchange®, card definition manager, gives you full control over all connected cards in a straightforward and user-friendly interface. It allows you to remove, rename, edit and add card documents. Accessing the new card-definition wizard gives you unlimited possibilities to create database connections, Mifare definitions and edit or create a card layout with the new CardExchange® Designer. The card definition manager is available from the Entry version of CardExchange®. Card management functions are available starting from the Premium version. It allows you to keep track of the number of printed cards and you can store the print data in your database or show it on the card as a text item. It is even possible to keep track of the number of cards printed for each specific card holder, which makes it easier to manage you card production.

Powerful database connections



Starting from CardExchange® Premium, you are able to use our powerful database modules for Oracle, MS SQL Server and MySQL. These database modules offers high speed and secure database connections and you can load large amounts of data to your computer within a very short time. The new Multiple database server connection module enables you to connected unlimited database servers to one card layout and you can exchange information between all connected databases. 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. Including the functionality to create internal queries/views 100% flexibility is guaranteed.

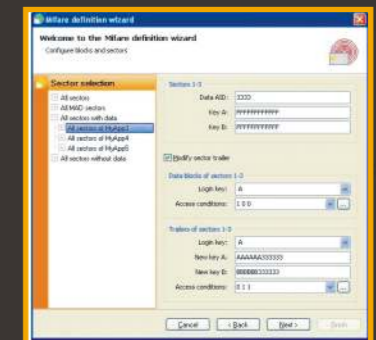
Advanced filter functionality

Starting from CardExchange® Plus edition, CardExchange® offers advanced three-level filter technology. The first level can be used to hide data completely for any CardExchange® user. 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. Our flexible filter technology ensures that CardExchange® can be configured in conformity whit your requirements with respect to performance and data protection.



Contactless power on demand

CardExchange® 2.0 introduces a new functionality for encoding Mifare cards. This new functionality allows you to create a read definition and a write definition and process them at the same time. In combination with our external functions the possibilities are unlimited. For example, you 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 trough 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

