

Keyless Entry Software

ACDB-KE



Overview

The ACDB-KE program is an intuitive easy to use application used to set the parameters for granting and denying access of people into various areas of your facility. Using familiar Windows-based controls, the program allows you to enter cardholder information for each person. The cardholder access level information allows you to control admittance to any combination of protected doors. With the user definable fields available, additional information on enrolled persons can also be kept and tracked.

The program allows the use of most existing computers, there is no need for a dedicated PC. This can reduce the cost of installation through the use of existing infrastructure.

Ideal for small systems, ACDB-KE provides tools that allow easy access management. The simple-to-use screens follow a logical progression no matter what the task. Extensive filtering tools provide operators with quick paths to find desired information. The ACDB-KE program takes advantage of the Windows tree view and list views to provide a complete picture of the system. These views help administrators gain a clear view of the system design.

Standard Features

- User friendly, intuitive operation
- Reduces operator training time
- Compatible with most card formats
- 32-bit application
- Supports up to 31 doors
- Popular badging program support
- Over 100,000,000 unique card numbers – no fear of duplicates
- Migration to Synergy-enabled and Integrated products
- Dedicated PC not required
- ODBC database compatible
- User definable fields, tabs, and reports
- Full filter and search capability
- Encrypted communications
- Task Manager for automating routine functions
- Barrier-free (handicapped) cardholder option
- Supports up to 255 access levels, schedules, and holidays
- Multilingual support

The ACDB-KE is a multi-threaded 32-bit Windows program that may be run on a 400 MHz or greater PC. Several levels of software are available to fit the needs of small facilities. ACDB-KE is a single workstation application, providing the ability to configure access of up to 31 doors. By equipping the access control PC with communication changes, ACDB-KE can be wired directly into the access hardware via an RS-232 connection to RS-485 converter.

The Access Control Database Administrator can set all operator privileges, creates access levels, schedules, and holidays. Once the system has been defined, operators can quickly create or modify cardholder records under password protection as determined by their assigned privileges.

Access levels, scheduling and holidays

ACDB-KE supports up to 255 different access levels, 255 different schedules, and 255 different holidays. A unique feature of the program is its use of rules when setting holidays. For example, when holidays fall on the same date every year, ACDB-KE may be configured so that a holiday schedule runs automatically on those dates. If any holidays occur on a Saturday, ACDB-KE may be set up to run the holiday schedule on the Friday instead. A simple program rule accommodates holidays that change date from year to year. These unique operations help ensure that people are not denied access and locked out when they should be allowed access. You can easily advance the calendar to inspect the results of any rule as it applies in future years.



Keyless Entry ACOB

File Edit System Actions Tools Reports Help

Cardholders Access Levels Schedules Holidays Reports Administration

Schedule

- Mon-Fri 24 Hours
- Mon-Fri 7-8
- Mon-Fri 7-5
- Mon-Fri 3-5
- Mon-Sun 1, Holidays 24 Hrs
- Mon-Sun 24 Hours

Name: Mon-Fri 7 to 4:30 Description: Monday to Friday 7am to 4:30pm

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

7:00 4:30

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Holiday

Access Granted 7:00 15:30

Graphical time charts take the tedium out of scheduling.

ACDB-KE, in conjunction with access hardware, provides the ability to offer standard access control including anti-passback (two types – strict and timed), as well as visitor operations.

It's easy to create visitor cards with the ACDB-KE. Visitors can have free access based on the doors and schedules of the access level they are assigned. A simple mouse-click can require a visitor to have an escort to enter doors. Here the visitor and employee with the correct access privilege must badge into a door for the visitor to be granted access.

Should the facility require photo badging, ACDB-KE integrates with ImageWare Systems, EPI-Suite products, including *EPI-Suite Lite*, *Classic* and *Pro* version 6.3.

The ACDB-KE's Task Manager automates routine activities. These tasks can include uploading and downloading information to card reader controllers (doors), gathering report data, and other activities defined by the operator.

Reports are categorized into three basic types: database related reports (information on cardholders); access event related reports (who went where, when). ACDB-KE's Report Wizard provides a fast, efficient way for authorized users to customize each report using the information available in the database. Should information requested not be available in the local database, ACDB-KE will automatically retrieve the needed data from card reader controllers to ensure an accurate, up-to-the-minute report. ACDB-KE comes pre-loaded with a selection of commonly requested reports including Event History, Access Level, Cardholder Details, and Projected Holidays.

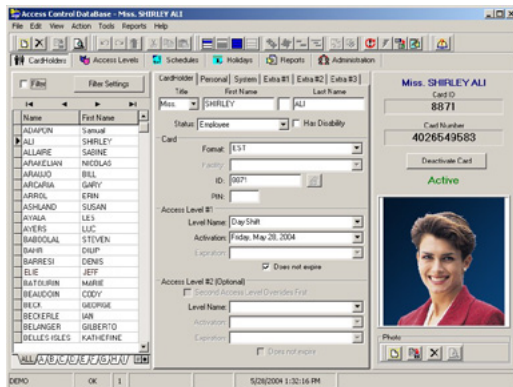
Uploading and downloading data

Cardholder privileges as configured in ACDB-KE, as well as event history, is stored throughout the facility in individual card reader controllers. Card reader controllers use this information to make all access decisions (see catalog sheet 85001-0528 for a complete description of EST's card reader controller).

Changes to the cardholder database can be quickly downloaded to the card reader controllers. To maximize system performance, ACDB-KE's Task Manager can be scheduled to upload and archive system event history during off-peak times. To maximize security, all data communications are encrypted. Communication to the Card Reader Controller can be accomplished via RS-232/RS-485 connection from the ACDB-KE computer.

Database Information

The cardholder screen provides a convenient tabbed display of personal information. Each operator can be assigned view and/or edit rights for each tab, ensuring that confidential information is not viewed or changed by operators who do not have such rights.



ACDB-KE puts all cardholder information within reach from a single, well-organized screen.

Each cardholder record includes the assigned access card ID number, assigned access levels, cardholder name and address information, and may include a photograph and PIN number. From the cardholder screen a disabled cardholder option facilitates the use of automatic door openers or other entry assistance devices when the user's card is presented. This can help to provide a barrier free environment. With up to 30 operator-definable fields available, custom information like the names of spouses, children, emergency medical information, license plate number(s), hair and eye color, department, date of hire, supervisor etc. may be included under each card holder.

Should a cardholder leave the company, ACDB-KE allows their cards to be reused and re-issued. This saves the expense of a new card for each new person. Information about the previous cardholder remains in the access database's history, and historical events will be linked to the appropriate cardholder based on the time of the event.

Retrofit systems

The ACDB-KE program is compatible with most existing card formats, making upgrading from an existing system easy and cost-efficient (see the card reader controller catalog sheet 85001-0528 for information on the reuse of existing card readers). ACDB-KE provides import capabilities for most standard database formats. This can greatly reduce the time needed to populate your ACDB-KE database with basic cardholder information.

Optional ACDB-KE configuration

Card Reader Controller configuration

ACDB-KE allows the setting of all card reader controller (door) parameters. These include timers for anti-passback, delay times, door ajar alarm suppression, PIN schedules, hardware types, etc.

Integration with other database programs

The ACDB-KE program provides import functionality that is designed to remove the need to populate data that may already exist in other databases or files. ACDB-KE allows the import of information contained in most common database formats. By using industry standard ODBC (Open Database connectivity), the information contained in databases such as Microsoft Access, SQL, and Oracle, can be easily used to populate ACDB-KE. This greatly reduces the time needed to get cardholder information loaded.

Engineering Specification

The access control database program shall be capable of creating, modifying, and deleting cardholder records. The program shall be fully password protected with assignable operator privileges. The database shall be Open Data Base Connectivity (ODBC) compliant. The program shall provide a minimum of 30 user definable fields for custom cardholder records. The program shall include the ability to create up to 255 access levels and 255 schedules and 255 holidays. It must be possible to create rules that will have the effect of shifting holiday schedules to alternate days when the holiday falls on a Saturday or Sunday. It must be possible to assign more that one access level to a cardholder.

The program shall support local sites without the need for a dedicated PC and shall work on any compatible PC. The program shall be capable of downloading and uploading data from the system over RS-485 lines. The program shall reside on <a stand-alone workstation>. The program shall be capable of operating under Windows 2000 or XP operating systems.

The program must provide the ability to adjust door times including but not limited to Unlock Timers, door Open timer, Door Ajar Timer.

The program must provide a variety of predefined reports as well as giving the ability to create user definable reports that may be configured to provide information on database fields as well as access event information. It must be possible to filter reports to obtain information based on date and or time of events. Any report data shall be exportable for use in other programs. Where an operator does not have privileges to information provided in a specific report the restricted information must not be displayed to that operator.

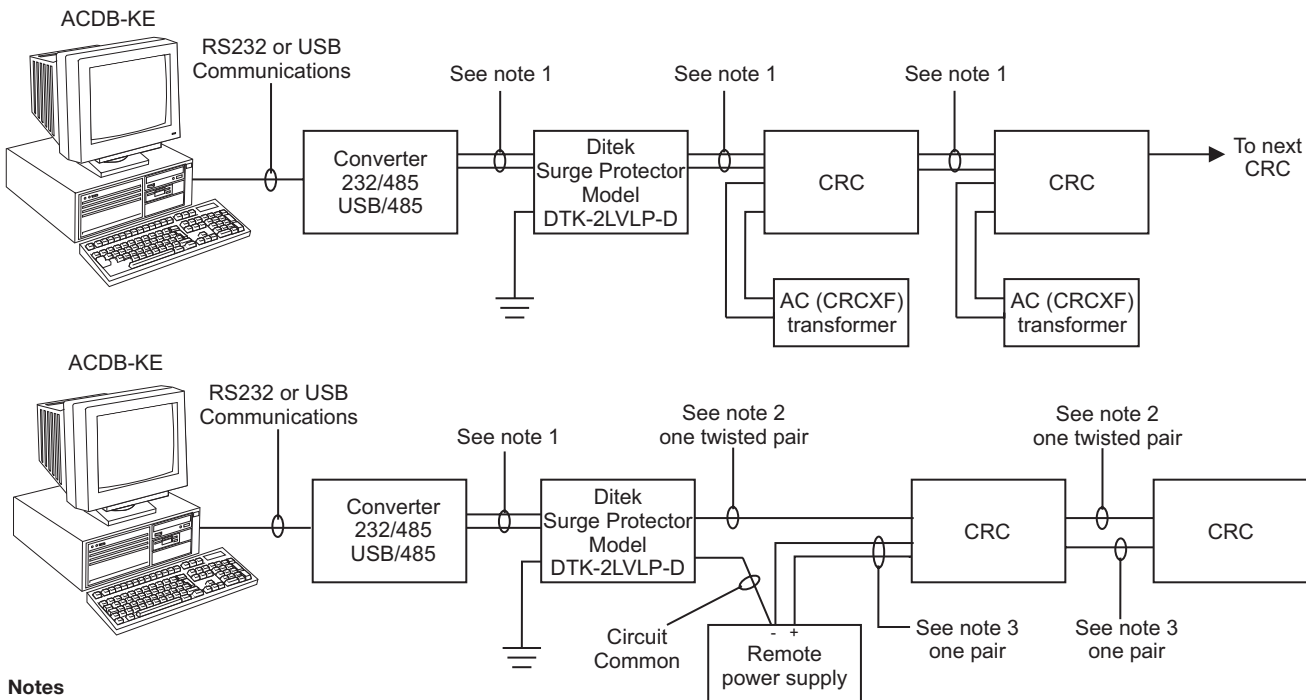
Predefined reports shall include but not be limited to:

- **Cardholder Report** – including all fields from the standard and user defined cardholder records.
- **Card Transaction History Report** – listing of transaction history filtered by cardholder name, access level, start and stop date and time.
- **Projected Holiday**
- **Operator Level**
- **Resource Usage** – Per door, resource allocation details.

It must be possible to migrate card reader controller hardware to a fully-listed integrated system that includes access, security and fire functionality.

Typical Wiring

ACDB-KE to CRC



Notes

1. 3 wires: 1 common, 1 twisted pair RS-485 with 6 twists per foot minimum.
2. One twisted pair RS-485 with 6 twists per foot minimum.
3. One pair 24 Vdc

Specifications

Minimum PC requirements	400MHz processor or higher, 64 MB RAM, CD-ROM drive, minimum 650 Mb available hard disk space
Operating System	Windows® 2000, or XP
Hard Disk required	20 Mb free space minimum up to 65 Mb if all required Windows components do not exist
Maximum number of Cardholders	50,000 (cardholders supported may be limited by hard drive space - typical record requires 2 kb plus photo file space)
Access levels	255 supported
Holidays	255 supported
Schedules	255 supported
Card Formats Supported	Wiegand formats 26, 32, 34, 38 bit, Edwards format, (other formats supported via Card Format Wizard)
Maximum number of doors	31

Ordering Information

Catalog Number	Description	Ship Wt. lb (kg)
ACDB-KE	Access Control Software - up to 31 doors	N/A



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