

# VECTA

ACCESS CONTROL SOFTWARE

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YOUR ACCESS TO THE SAFE FUTURE

# Application suite for managing Access Control, Fire and Alarm Monitoring systems

Vecta is an application suite developed for managing Access Control, Fire and Alarm monitoring systems, as well as Building Automation and others. It is primarily designed to work with HID's VertX™ hardware but also supports Apollo, Inc. equipment. Unlike most other access control systems, Vecta software can have its functionality expanded easily by simply adding new hardware drivers.

Vecta supports all basic functions of an access control system, many unique advanced functions and at the same time implements innovative architecture, optimized hardware support, convenient user interface, and many other innovations.

## Performance

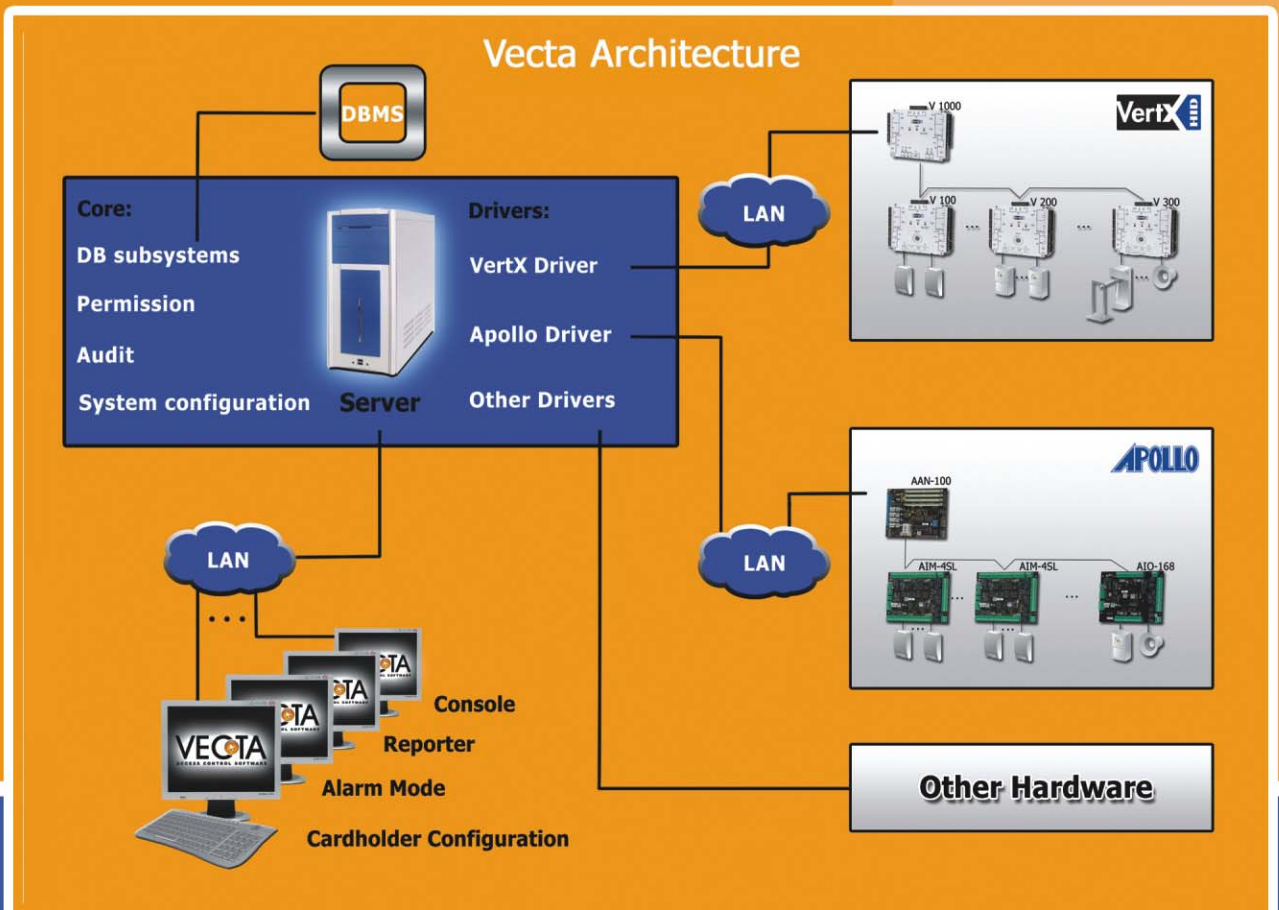
Vecta utilizes parallel execution of multiple tasks such as communication inputs/outputs or database management, among others. Multiple operators can comfortably work with Vecta software simultaneously. Optimized drivers allow downloading configuration settings to hardware quickly and using minimal CPU resources. Event information and device command management modules use all available PC hardware process acceleration capabilities which results in improved overall performance and system response time.

## Reliability and fault tolerance

The reliable Server can run as a service on Windows 2000 or Windows XP. Vecta does not require an operator to monitor it, it can be used in unattended mode and will be automatically re-started should it stop for some reason. Critical tasks are implemented at the Server, therefore their execution is guaranteed even if there are no client applications connected to it. Both the new permission and audit subsystem allow precise assignment of permissions for any operator's access to any Vecta object and, more importantly, for any operation on any of the objects or devices.

## Simple, user-friendly interface

The Graphical User Interfaces of client applications are based on methods and principles similar to MS™ Windows® operating system standards. Object State icons in the Explorer window allow the user to view the state of any system object without having to create floor plan graphics. The Global Access Levels subsystem provides for easy management of cardholder access rights for multiple controllers. Support of multithreading in the Reporter module allows users to generate multiple reports simultaneously.



## Client applications

**Console** – an universal application for configuring initial hardware modes issuing commands in real time and monitoring the current hardware status and incoming event information. Console is ideal for those who install the hardware and site administrators, as this application allows to configure the system and receive visual feedback from it immediately. Typically, this application can be used both at the initial system configuration stage and for the day to day routine work.

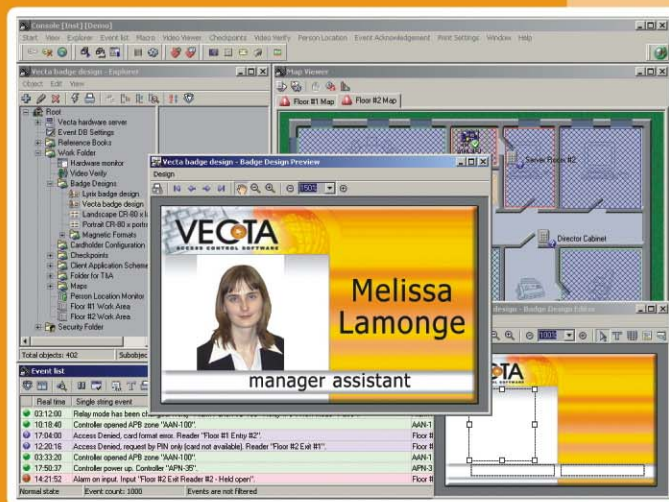
**Alarm Mode** – this application is intended for security guards. It allows them to monitor the hardware status and control it in real time. Equipment configuration is not allowed. Frequently used commands can be issued from special control panels. Many extensions such as Floor Plans (Maps), Status Monitors, Checkpoints, Host Access Requests, and so on make the application easy to customize and meet any user-specific requirements.

**Cardholder Configuration** – is for managing the cardholder database, creating and modifying Global Access Levels and assigning access cards to cardholders. It supports storing main user information: job position, department, phone number, e-mail address, photos and 10 additional, user-definable fields. Designed for use as a "Pass Office" workstation.

**Reporter** – generates reports on events occurring at any system device. Includes a flexible filter interface for event types, event fields, initiator objects, and so on. Supports multi-level sorting and selection of fields to include in a report. Generated reports can be easily printed or exported to CSV format files or even to a color HTML page. The application is intended for Vecta supervisors and administrators. Can be used at any stage (installation, day to day work, etc.).

**Badging** – provides for creating and editing badges, assigning badges to cardholders, and printing them on cards, stickers and so on. Supports bar code printing and magnetic stripe encoding. Multiple badges can be printed on standard size paper using special templates provided.

**Time & Attendance** – intended for recording time that employees spend in user-specified controlled zones. Once you specify a work area for employees the time they spend in that area is counted as their work time. Supports Easy (one area) and Advanced (multiple areas with individual schedules) modes of configuration. Wide ranges of fields with calculated values are supported. Special filters allow highlighting report fields with colors, the highlighting is based on conditions that you specify. Time & Attendance reports can be used for calculating employees' salary. Using this feature increases attendance and improves the performance of a company.



## Vecta software parts

### Base Applications:

- Server
- Console
- Alarm Mode
- Cardholder Configuration
- Reporter
- Badging
- Time & Attendance.
- Utilities

### Base modules and subsystems:

- Explorer
- Event List
- Event Acknowledgment
- Permissions
- Audit
- Global Access Levels
- Object specific control panels
- Global object control panels

### Additional modules and subsystems:

- Maps
- State Monitors
- Cardholder Location Monitor
- Checkpoint
- Host Access Request
- Automation
- Dynamic Time Zones
- SDK



## VertX driver supports:

### Main controllers:

- V1000
- V2000
- EDGE host version

### Interface modules:

- V100 - 2 reader interface
- V200 - input panel
- V300 - output panel

### Features:

- Maximum cards: 250000
- Maximum events: 5000
- Number of time zones: unlimited
- Access Levels per card: 8
- Activation/deactivation date and time
- Card formats: 253
- Maximum Access levels: 65535
- Local, Timed APB
- Task control: restart communication and access tasks
- 8 facility codes in offline mode of V100
- PIN support

VertX  
HID



## Apollo driver supports:

### Main controllers:

- AAN-100, AAN-32
- APN-35, AAN-4

### Interface modules:

- AIM-4SL, AIM-2SL, AIM-1SL, AIM-1ELE – reader interfaces
- AIO-168, AIO-16, AIO-8 – alarm panels
- ASA-72 – status panel

### Features:

- Zone and timed APB
- Elevator readers
- Wiegand, magnetic stripe formats
- 6 AL, precision access, exclusion list
- Internal Variables

APOLLO



## PC requirements:

- CPU: Pentium IV 1600 MHz
- RAM: 512 MB, 1 GB recommended
- HDD: 500 MB
- Video: SVGA, 8 MB or more, 16 bits/pixel
- Monitor resolution: 1024x768 or more
- Keyboard, mouse
- Installed OS: Windows 2000 or XP
- COM ports: Serial, USB
- Network: 10 Mb/s or more
- Installed protocol: TCP/IP

E-mail: [info@vecta-accs.com](mailto:info@vecta-accs.com)  
Web-site: [www.vecta-accs.com](http://www.vecta-accs.com)  
Tel. : +7 (495) 362-75-15  
Fax : +7 (495) 362-72-64

