

CyberLock[®]

The Lock on Intelligence



Videx is built on the cornerstones of innovative engineering, quality manufacturing, and outstanding customer support. Our commitment to these principles is best represented by the price/performance of Videx products, extended product life, and unmatched support provided to each customer.

We are committed to the principle of always treating others the way we would like to be treated.

CyberLock Awards

- 2002 Canadian Security Magazine, Grand Prize Winner – Product of the Year
- 2003 Access Control & Security Systems Magazine, New Product of the Year Finalist
- 2003 Total Facility Management Show, Best of Show in Security
- 2004 Commercial Building Products Magazine, Readers Choice Product of the Year
- 2005 IFSEC Security Show, Access Management Product of the Year

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CyberLock® in action

ATLANTA - FULTON COUNTY



"CyberLock has done everything that I was told it could do, and more."

Terry Jones,
Assistant Project Manager



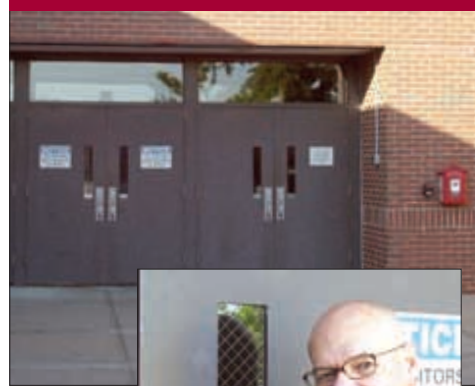
Problem: Protecting AFC's Water

The Atlanta-Fulton County Water Treatment Facility in Georgia is one of the largest in the state. Water treatment facilities have diverse access control requirements, such as securing office doors, controlling access at remote gated areas, and keeping tight control on who has access to chemical storage facilities. After 9/11, the Atlanta-Fulton County Water Treatment Facility became more concerned with knowing who had access to vital parts of their infrastructure.

Solution: CyberLock

The facility selected CyberLock for its versatility, increased security features, and ease of installation. Terry Jones, assistant project manager, says, "CyberLock has done everything that I was told it could do, and more." With the addition of CyberLock, security has vastly improved. The inherent problems of maintaining a mechanical key system, including rekeying and recoring, are tasks relegated to the past.

STONINGTON HIGH SCHOOL Old Mystic, Connecticut



Problem: Controlling Access at School

The security of children in our schools is a growing concern. Ken Donovan, Assistant Director of Maintenance at Stonington Public Schools, had been researching security products, CyberLock in particular. When the principal asked for a solution to the school's security concerns, Ken had the answer.

Solution: CyberLock - One Building at a Time

Stonington Schools decided to install CyberLock in the high school first. Other access control systems were not financially feasible; however, the CyberLock system was affordable because no wiring was needed to the doors. The system is designed to fit into most existing lock hardware. Ken says, "I don't see how you can go wrong. You can have access control for under \$300 per door." Stonington Schools purchased the CyberLocks in small batches to work within their budget, with the goal of installing in all of the buildings at the facility.

"People want to know that their children are safe."

Ken Donovan,
Assistant Director of Maintenance

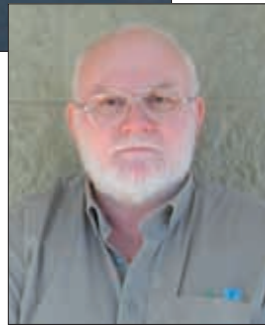
Donovan has taken advantage of the flexibility of his CyberLock system. He has used CyberLock cylinders on exterior doorways, padlocks on gates, and T-handle cylinders on vending machines in the cafeteria. According to Donovan, the school staff has welcomed CyberLock. Not only does it help to insure security, it gives the teachers peace of mind as well. "They know that if something goes wrong, the system will show who was there. People want to know that their children are safe," says Ken.

GENE TOOLS



“If a molecule goes awry . . . we track who was in the room at that time. If research information has been tampered with . . . we can get a report of who had access to that information.”

Dr. James Summerton,
President of Gene Tools



Problem: Industrial Espionage

Gene Tools LLC develops and produces molecules of redesigned genetic material. This material is being used by researchers to help identify the functions of human genes to fight viruses that cause diseases such as AIDS and cancer. Dr. James Summerton, president of the company, needed a flexible system that would carefully control which employees had access to specific locks.

Solution: CyberLock

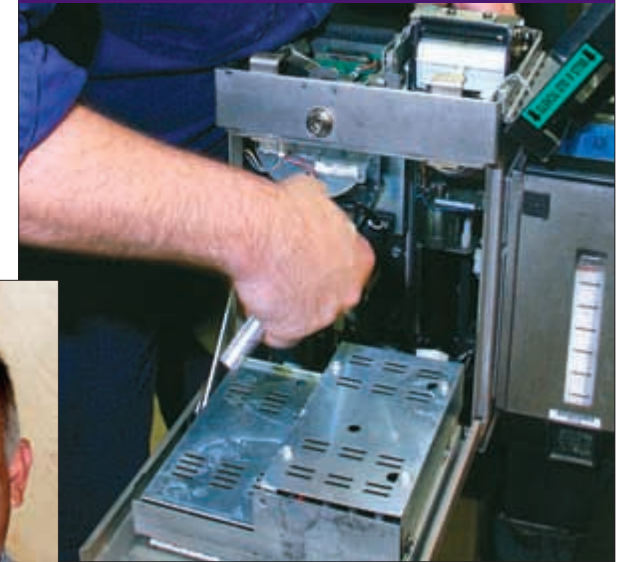
Gene Tools installed CyberLocks in padlocks, interior doorways, and the containers where the lab notebooks are stored. “The system allows me to program an employee’s access to particular rooms and labs,” says Summerton, “as well as what days and hours the person may access those rooms. It also allows me to track the activity of a particular lock, such as which keys were used in it during which days and hours.”

“The bottom line is that the collected revenue ratio has increased and employee productivity has improved. The Videx CyberLock system works for us at the Greater Cleveland Regional Transit Authority.”

Sgt. Scott Medlong,
Transit Police Officer



CLEVELAND TRANSIT AUTHORITY



Problem: Securing Fare Boxes

The Greater Cleveland Regional Transit Authority had a problem with lost and stolen keys to the fare boxes on their buses.

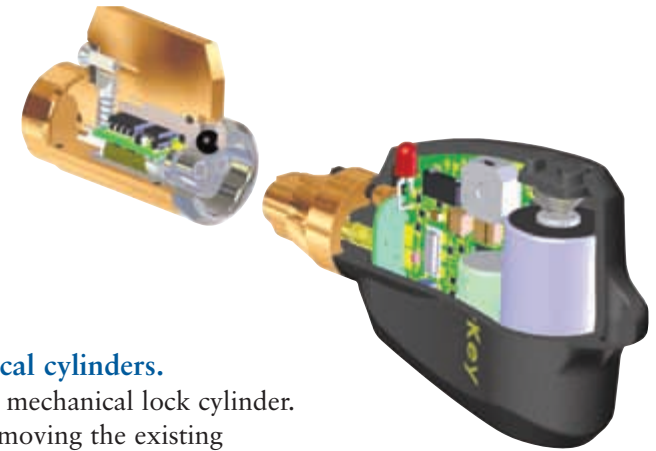
A significant amount of money was not making its way from the boxes to the bank. The absence of these keys provided a hole in the loss prevention efforts. Rekeying efforts would provide a temporary fix, but only until the next key was misplaced or stolen. They needed to determine if lost keys were resulting in lost funds.

Solution: CyberLock Cam Lock

A taskforce was formed to look at fare box security, and their primary concern was the ease with which a conventional key could be duplicated. The taskforce investigated the Videx CyberLock system, and found it addressed all of their concerns. The key and lock remembered what locks had been opened, and when. Also, the system provided the ability to regulate when the lock could be accessed, and by whom. If a key was lost or stolen, the locks could be told to refuse access to the key. The immediate benefits were readily apparent. There was a marked improvement in the bill-to-coin collection ratio. Employee accountability has improved, as supervisors can now track how much time is being spent on each repair. No incidences of unauthorized access have been found with the Videx system.

CyberLock *overview*

CyberLock is an innovative lock system that easily converts existing mechanical locks into an access control system. With electronic lock cylinders, programmable CyberKeys, and CyberAudit software, you can create a powerful system to track and control access to every lock in your facility.



How does it work?

CyberLock electronic cylinders replace standard mechanical cylinders.

Each CyberLock cylinder is an electronic version of a standard mechanical lock cylinder. Installing the cylinder into the lock hardware is as simple as removing the existing mechanical cylinder and replacing it with the CyberLock cylinder.



No wiring or battery is required at the lock.

The lock installs without wiring of any kind, and does not contain a battery. The power required to open a lock comes from the battery in the key. CyberKeys use a 3-volt lithium battery, easily replaceable in the field.

CyberLocks cannot be picked.

CyberLocks have no keyway, and cannot be picked like a mechanical lock. CyberLocks resist forced rotation, and are designed to remain in the locked position if tampered with.

CyberKeys® cannot be duplicated.

It's not possible to create a duplicate of a CyberKey. Passwords in the software and hardware are unique to each installation, and protect against creation of unauthorized keys. And, although two keys in the system can be programmed alike, each one will make its own unique record of events in the software.

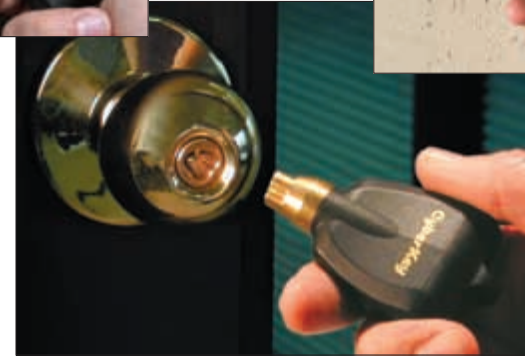
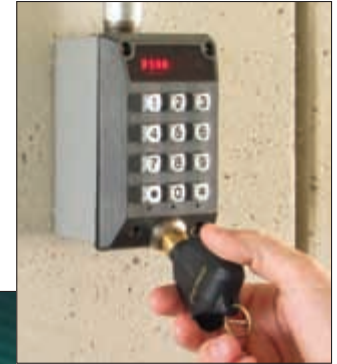


Keys can be assigned a begin date and an expiration date.

This means keys can be issued before they begin working, and can be set to expire at a particular time in the future. Setting short-term expiration dates on keys is an excellent way to minimize risk due to lost or stolen keys.

Each key contains a list of locks it can open, with days and times.

The CyberKeys are programmed with access privileges for each user. A standard key holds a list of up to 3300 locks the user can open, with the schedule of days and times they are allowed in.



	Who!	Where!	When!	What!
	Key Name	Lock Name	Date/Time	Status
▶	Joe Wilson	East Entrance	03/20/2005 06:14:22 AM	Denied
	Abby Chaney	West Entrance	03/20/2005 07:28:03 AM	Key Authorized
	Pete Sussman	Records Room	03/20/2005 07:59:15 AM	Out of Schedule
	John Michaels	Computer Room	03/20/2005 08:00:03 AM	Key Authorized
	Evelyn Lefler	West Entrance	03/20/2005 08:12:16 AM	Key Authorized
	Juanita Banks	Computer Room	03/20/2005 08:18:52 AM	Key Authorized
	Andy Dunsmore	Computer Room	03/20/2005 08:27:12 AM	Denied

A record of all events is stored in both the locks and the keys.

Each time a key is used at a lock, a record of the lock ID, date, and time is stored in the key, and a record of the key ID, date, and time is stored in the lock. The key stores up to 3900 of the most recent access events, and the lock stores the most recent 1100 access events. Locks and keys also record when an unauthorized person attempted to open the lock with a CyberKey.



CyberKey Base Station

One key opens doorways, padlocks, cabinets, safes, vending machines, and more!

The complete line of cylinders allows controlling access to much more than just doorways. Designed for both indoor and outdoor use, the durable CyberLock tracks and controls access to padlocked gates, safes, cash drawers, server cabinets, fare boxes, freight trucks, and vending machines . . .



One Key . . . Many Locks



Cylinders for Doorways

Enter the world of CyberLock through the front door! Videx cylinders for doorways are the first place most people begin. The cylinder cannot be picked, provides an audit trail of activity, and requires no wiring.

You can retrofit knob or lever locks that require Schlage® 6-pin and Yale® 6- or 7-pin format cylinders. Other door hardware options include rim and mortise cylinders in a variety of sizes and finishes.



IC Cylinders

Whether in a door application or providing access to a cabinet, the CyberLock Interchangeable Core cylinder is a powerful product. CyberLock IC cores come in a variety of formats, and are a great solution for commercial applications.



Cylinders for Cabinets

Cabinets, boxes, containers, and display cases often use cam locks. Videx offers a standard cam, a cam with unique directional action, and a cam with a hook latch. The CyberLock hook latch cam was originally designed for fare boxes on buses and light rail cars. Cam locks are found on jewelry display cases, medical cabinets, and server cabinets. No wiring required and full access control provided!



Cylinders for Padlocks

One of the most useful and unique applications for CyberLock is in a padlock! Now you have an intelligent padlock to control access to your meters, control boxes, and outside gates. Videx manufactures weather-resistant cylinders designed specifically for padlocks. They resist corrosion, and hold up under rough treatment. The same key that opens the front door of your office now opens the padlock on your delivery truck or back gate.





Cylinders for Vending Machines

CyberLock offers complete access control for your vending machines, providing a full audit trail of all activity. Everyone is accountable, every dime is accounted for! Whether you install CyberLock vending cylinders on one troublesome route, or on all your machines, you're in control.

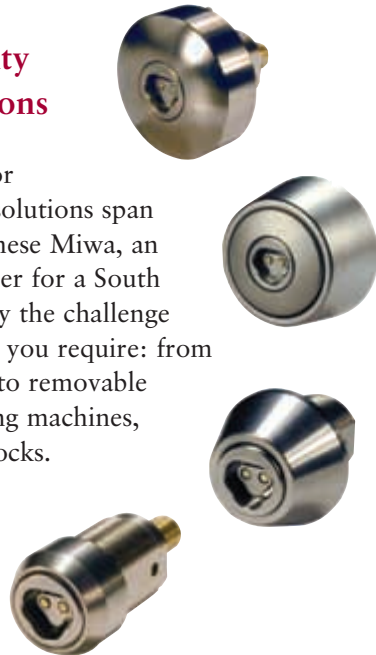
Cylinders for European Export

Videx manufactures several cylinders for export to Europe, where countries have unique security requirements and a wide variety of lock styles. The Videx European line includes many different lengths of half, single, and double profile cylinders, as well as ovals, rounds, and several other designs.



Cylinders for Specialty & Custom Applications

Videx recognizes and appreciates that requests for CyberLock access control solutions span the globe! Whether a Japanese Miwa, an Australian oval, or a cylinder for a South African payphone, we enjoy the challenge of manufacturing the locks you require: from switch locks for elevators, to removable plug locks for ticket vending machines, to variations on standard locks.



CyberLock Safe Locks

Imagine it – all the functionality of CyberLock applied to a safe! Locks can be programmed for time delay, or to require more than one key before opening. Of course, all your favorite CyberLock features are standard: audit trail, personalized access schedules, and no external wiring. Better still, a CyberLock safe lock application can be stand-alone, or can be part of a complete, facility-wide installation.

We know that your safe lock needs may require 24/7 support, so we have approved partners who commit to providing this service. Contact Videx for a referral to an approved CyberLock safe lock partner.



Operating Temperature	<ul style="list-style-type: none"> • Lock: -40° to 160° F; -40° to 70° C, non-condensing • Key: 32° to 122° F; 0° to 50° C
Cylinder Power Requirements	<ul style="list-style-type: none"> • None; power is supplied by the key's battery
Key Battery	<ul style="list-style-type: none"> • One CR-2 3v lithium battery
Key Battery Life	<ul style="list-style-type: none"> • 2000 to 5000 openings, depending on settings

CyberKey Authorizer[®] Remote Key Authorization

CyberKey Authorizer enhances CyberLock systems by providing the ability to program and download CyberKeys and CyberLock programmers at remote locations. Authorizer adds two primary benefits to a standard CyberLock system:

With CyberKey Authorizer, users can update their keys without returning to where the host computer is located.

For large installations, Authorizer provides a way to communicate with keys over a wide area, and still manage the system from one central computer. Authorizer consists of two parts: the hub and the keyport. The Authorizer hub connects to the host computer either via Ethernet or via its built-in modem. In network installations, the hub and the database synchronize every few minutes. In modem installations, the hub receives instructions from the host computer on a regular basis, and stores these instructions in memory.

The Authorizer hub connects to one or two keyports. Keyports can be installed wherever it is convenient for CyberKey users, indoors or outdoors. Keyports consist of a CyberKey connection, a numeric keypad, and a display. Each time a user inserts a key into the keyport and enters a PIN, the program information in the key is updated and the log of events is transferred to the computer via the hub.

CyberKey Authorizer—convenience for the users

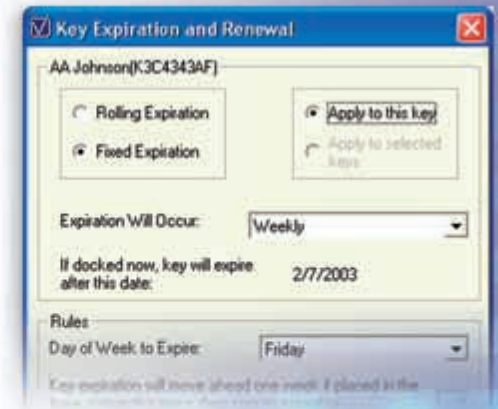
Authorizer makes it easy to manage frequent key expirations, for a high degree of key control.

Lost keys occur frequently, and pose a security risk for any facility. CyberKeys, unlike mechanical keys, can be set to expire at a particular time. If a key is lost at 11:00 on Friday morning, but expires at 5:00 that afternoon, the potential risk is greatly reduced.

But how can a system be set up to be friendly for the user, and still provide the control needed?

Authorizer provides an easy way to expire keys frequently: weekly, daily, hourly, or even by the minute. And, once the system is set up, the software manages expirations automatically. Each time a user presents the key to the Authorizer for updating, a new expiration date is automatically set in the key.

CyberKey Authorizer—peace of mind for the security administrator





CyberPoint®

Guard Tours & Access Control . . . All with One Key!

CyberPoint is an electronic tag designed to serve as a data checkpoint during security guard tours. The CyberPoint system offers many advantages over traditional guard tour applications. Both the stationary CyberPoint and handheld CyberKey record guard tour activity. The software can generate reports and send emails to notify management of suspicious activity, and CyberPoints can be used along with the CyberLock access control system.

As a stand-alone guard checkpoint system, the CyberKey is used to record a security guard's presence at checkpoints by storing the guard's ID, location, and date and time. Keys record the last 3,900 events, while CyberPoints record the last 1,100 events. At the end of the tour, the data that has been recorded in the key can be downloaded to a computer. CyberKeys are powered by inexpensive batteries that can easily be changed in the field without losing data; this data collector will never have to be sent to the factory to have the battery replaced.

When integrated with the CyberLock access control system, a security guard's CyberKey can be programmed to allow access to CyberLocks on doorways, cabinets, and padlocks, in addition to using the same key to check in at various CyberPoint locations. Each key can be programmed with an access schedule. As with the CyberPoint system, when a CyberKey makes contact with a CyberLock, a record of the user ID, date, and time is stored in both the key and the lock cylinder.

Who! Where! When! What!

Logs					
	Key Name	Lock Name	Date/Time	Status	Source
▶	Joe Wilson	Tool Shed	6/10/2005 10:51:50 PM	CyberPoint Contact	Key
	Joe Wilson	North Gate	6/10/2005 10:44:20 PM	CyberPoint Contact	Key
	Joe Wilson	East Entry	6/10/2005 10:38:14 PM	CyberPoint Contact	Key
	Joe Wilson	Storage Room	6/10/2005 10:33:50 PM	CyberPoint Contact	Key
	Joe Wilson	West Hall	6/10/2005 10:29:46 PM	CyberPoint Contact	Key

CyberPoint and CyberLock use the same software, designed to provide audit reports of who, where, when, and what for management review. Reports can be customized to allow CyberPoint to be used for a variety of applications. Emails can be automatically sent to notify administrators of suspicious activity.

CyberLock System **How a System Works Together**



What's happening in the lock?

Each CyberLock contains:

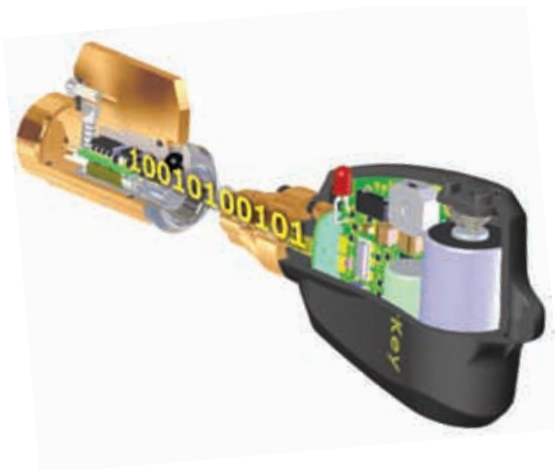
- a unique ID number that cannot be changed or duplicated
- a list of the most recent 1100 access events: key ID, date and time, and type of event
- encrypted access codes, created by the software and derived from your passwords



What's happening in the key?

Each CyberKey contains:

- a unique ID number that cannot be changed or duplicated
- a list of up to 3900 access events: lock ID, date and time, and type of event
- the access permissions for that specific key
- encrypted access codes, created by your software and derived from your passwords



How do the locks and keys communicate with one another?

When a key contacts a lock, a sequence of events occurs:

- the battery in the key energizes the circuitry in the lock
- the lock and key exchange IDs
- the key checks that the lock ID is on its list of locks it may open
- the key checks that it is at the lock at an authorized day and time
- the lock and key compare access codes to verify they are from the same system
- the key gains permission to open the lock, and an “Authorized to open” event is time stamped and stored in both lock and key

How do locks and keys communicate with the software?

Communication between the locks and keys and the software can be done either at the computer, or from remote locations. The options for communication available to you depend on which of the two different software management systems you decide to use, CyberAudit 2.0 or CyberAudit-Web . . .



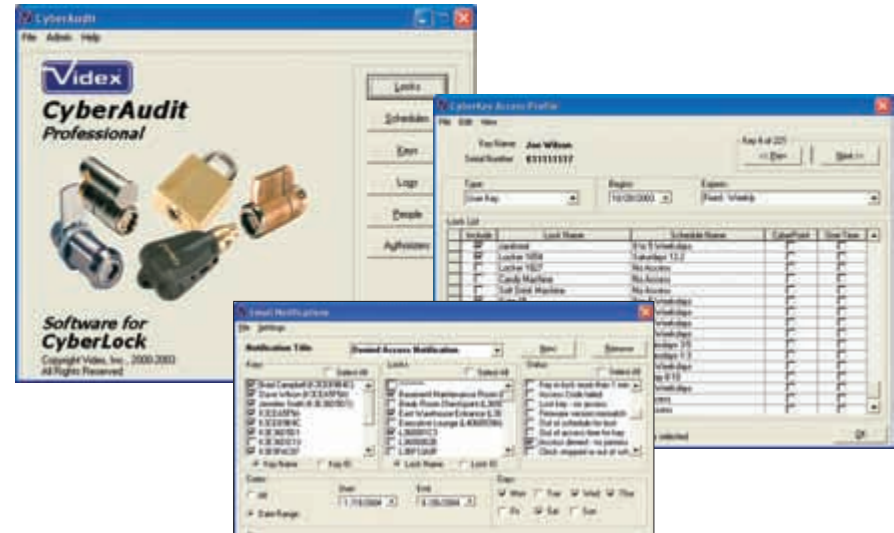
CyberLock System Two Ways to Manage Your System

Videx offers two different software systems for CyberLock management, depending on the requirements of your application.

Option One: Using CyberAudit 2.0 Software

CyberAudit 2.0 software is designed for smaller, more localized systems. It is an out-of-the-box Windows program that installs on your local PC. CyberAudit 2.0 is a flexible, cost-effective, and easy-to-use system, recommended for use when:

- The system will be managed by a single administrator
- There is a small number of locks and keys, approximately 500 each, in a single database
- There is a small number of Authorizers, less than 15, in a single database
- Programming of the user keys will be done either at the computer, using the base station, or from fixed locations, using the remote Authorizer



Option Two: Using CyberAudit-Web

CyberAudit-Web is a browser-based system, designed for large, geographically widespread, or mobile applications. CyberAudit-Web is accessible by browser from anywhere in the world, either over an internal network or the internet. Not only is the software accessible from virtually any location, user keys can be programmed from nearly any location using a cellular phone. CyberAudit-Web is recommended for use when:

- The system will be managed by a hierarchy of administrators
- The system is spread over a wide geographical area
- There is a large number of locks, keys, and communication devices
- A mobile workforce will be using cellular communication for key programming and downloading
- It's necessary to program a key for access only at the time of access, for high-security applications such as cash handling

Option One Using CyberAudit® 2.0

CyberAudit 2.0's primary functions are to define the access privileges for each user and keep the record of access events downloaded from your locks and keys. Highlights of the software include:

- Email notifications: receive an email when a specific event occurs, such as any denied entry event, or events from the weekend
- Key expirations: easily set key expirations in a way that fits with your business operation; once set, the system manages key expirations automatically
- Software log: decide what each software user is allowed to do in the software and view the history of software changes at any time

The Administrator manages the system from a dedicated PC. Local user keys communicate with the system using the CyberKey base station, which connects directly to the computer. Each time a key communicates, it receives new program information and downloads its stored access events.



For the workers located at remote locations, keys are programmed and downloaded using Authorizers.



Computer requirements:

PC with Windows NT 4.0, 2000, or XP; 256MB RAM; 25MB minimum hard drive space (50MB recommended); Pentium III or faster processor; available serial port; CD-ROM drive for installation

Recommendations:

Use a dedicated PC; install all software components on the same computer or at least within the same subnet

Option Two Using CyberAudit-Web

CyberAudit-Web is a management system for more complexly structured or enterprise level CyberLock systems. CyberAudit-Web goes beyond the functionality of CyberAudit 2.0, and offers you:

- On-demand access: use cell phones to program user keys in the field, increasing the security and efficiency of your workforce
- Hierarchy of administrators: give each person in the management chain control over their own locks, keys, and access permissions independently, while allowing top administrators to view the entire system
- Internet access: log on from any location—your office, your home, the field office—to view and manage CyberLocks and CyberKeys
- Choices on how you use it: install and manage your own CyberAudit-Web system, or work with a provider on a monthly service basis

The security manager reviews system from his laptop while on a business trip.



CyberAudit-Web on secure server.



**Internal Network,
Internet, or Modem**

The top administrator sees entire database of locks, keys, and communication devices.



The regional manager sees and manages only the locks, keys, and communication devices for her area.



Users in the office present their keys to fixed Authorizers to update the keys' programs and download access events.



Users in the field have keys with infrared ports, and receive new program information and download events using their cellular PDAs.



System comes packaged on an IBM X series server and includes CyberAudit-Web software, Red Hat Linux Enterprise, MySQL Pro, one year software updates, and two support incidents.

Training Program and Technical Support

Videx offers training to current and prospective CyberLock customers. Our in-house trainers are happy to schedule a time to meet with you either online, in Corvallis, or at an upcoming trade show we will be attending. Training sessions are available that cover basic CyberLock systems, Authorizer, and the new web-based software.

If you have any questions once you begin using our products, we offer live tech support to assist you. Contact us by phone, fax, or email. You'll be working with a highly-trained individual who can walk you through using our wide array of products.



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Product Warranty

During the first year from the date of original end user purchase, repair or replacement of Videx hardware is done at no cost. After the first year, Videx has a graduated warranty, where cost of service or replacement on the unit is determined by how long the product has been in use.

You can find details of our warranty and service procedures on our web site at www.videx.com.



Videx was founded in 1979, and is an industry leader in data collection and access control products. Videx started out creating video card enhancements for Apple computers. Six years later, Videx launched its first bar code scanner, the TimeWand I. This technology opened the door for several different types of bar code and iButton readers developed and marketed by Videx. In 2000, Videx introduced CyberLock electronic cylinders. Today, Videx is an industry leader in data collection and access control products. Videx is now known for providing security solutions to a wide variety of companies, as well as offering the original bar code scanners that made the company what it is today. With a long history in electronics, and new products being designed and produced, Videx is sure to be providing solutions to customers for years to come.