



CyberLock[®]

The Lock on Intelligence

Distributed and Serviced by Marshall Best Security Corporation



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.



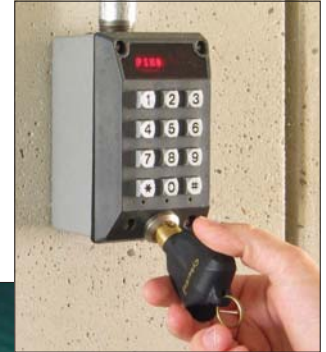
CyberKeys® cannot be duplicated.

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.



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.

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. . . .

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



CyberKey Base Station





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.



Cylinders for Cabinets

Cabinets, boxes, containers, and display cases often use cam locks. Videx offers a standard cam, a cam with unique direction 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!



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.



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

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 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 pay phone, 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.



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.



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 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, 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.



CyberPoint and CyberLock use the same software, designed to provide audit reports of who, where, when, and what for management reviews. 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.

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



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?

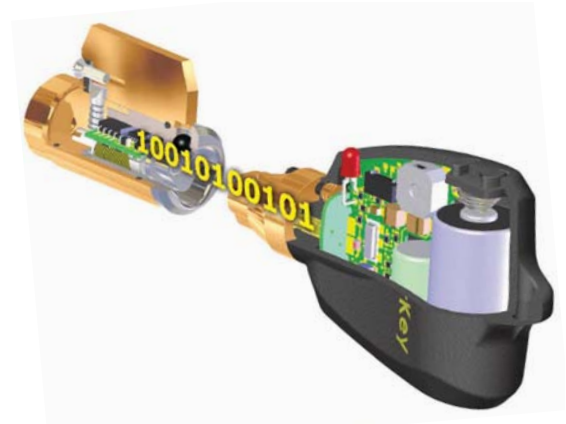
Each CyberKey contains:

- 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

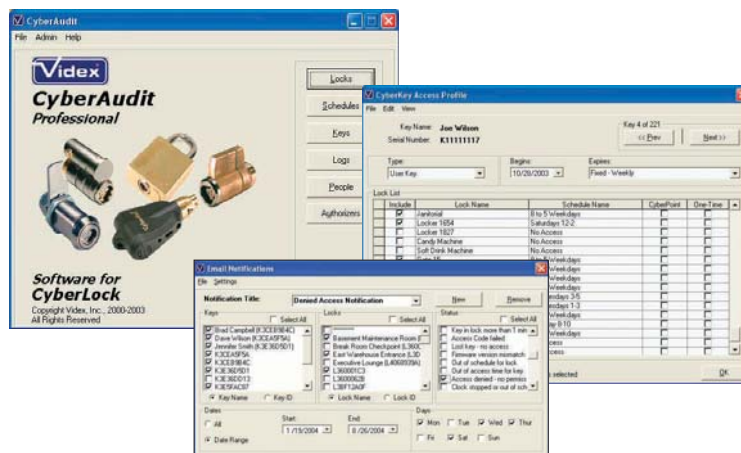
Two Ways to Manage Your System

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.

Ethernet or Modem



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; 256 MB RAM; 225 MB minimum hard drive space (50 MB 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 enterprised 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.



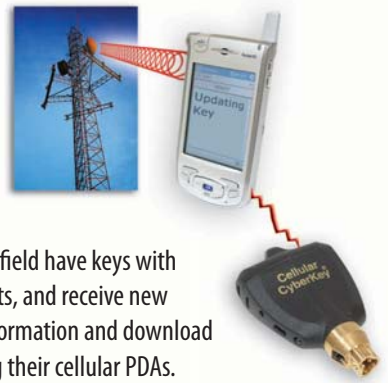
The top administrator sees entire database of locks, keys, and communication devices.

Internal Network,
Internet, or Modem

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.



CyberLock® Management Levels

Videx offers four different levels of management for your CyberLock system: EntryPoint™, CyberAudit-Web Lite, CyberAudit® Professional, and CyberAudit-Web Enterprise. This range of management tools is designed to accommodate every type of installation, from small businesses to large corporations and campus settings.

EntryPoint

EntryPoint is a basic system comprised of hardware only; no software is required. EntryPoint is ideal for simple installations that require high security: a lock that cannot be picked and a key that cannot be duplicated.

An EntryPoint system includes standard CyberLock cylinders and CyberKeys®, plus a Grand Master key. The Grand Master has a pre-programmed encrypted code. It is used to program locks with this encrypted code by touching the front of the CyberLock. CyberKeys are given 24/7 access to the locks.



CyberAudit-Web Lite

CyberAudit-Web Lite is designed for EntryPoint users that want to add the ability to schedule access and view an audit trail from the locks and keys. Lite users log on to a web site to set their schedules and see their log of access events. A simple matrix of locks, keys, and schedules is easy to use and understand. The web site is also used to request a new encrypted code to prevent lost keys from opening locks.

Lite uses the same hardware as the EntryPoint system, and also requires an IR Encoder for communication between the Grand Master and the web site. The Lite web site is available from certified providers.

CyberAudit-Web Lite Main Screen

Locks

Schedule: D-Day Shift		Locks																					
S	M	T	W	T	F	S	H	Conference 1	Conference 2	Conference 3	Electrical	Front Door	Library	Loading Dock	Lobby	Maintenance	Photo Lab	Server Room	Shipping / Receiving	Shop	SMT Room	Te	
X	X	X	X	X	X																		
8:00 AM to 5:00 PM																							
		?																					
Andrew Zimms		I						D		D	D		D								D		
Brenda Stanley		I								D		D	D								D		
Lewis Lestin		I						D	D		D	D	D								D		
Niles Tesla		I	D	D	D			D					D	D						D			
Gerald Bean		I								W					W	W							
Dan Edwards		I	D	D	D	D	D	D	D	D	D	D	D								D	D	D
Jerry Uller		I								W				W									

Users

A yellow icon indicates a change to a lock or key.

Lewis has access to the Shop during dayshift.

Jerry has access to the Lobby on weekends.

CyberAudit Professional

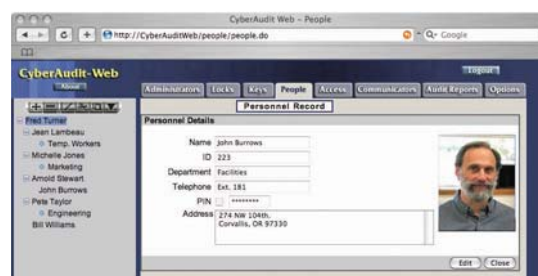
CyberAudit Professional is a Windows program that installs on your PC for management of a CyberLock system. CyberAudit Professional builds on the basics of access scheduling and audit trails with a number of features such as key expiration, report generation, and email notification of events. It is ideal for small- to medium-sized companies that need a high level of security and key control.



CyberAudit-Web Enterprise

CyberAudit-Web Enterprise is packaged on a server complete with all hardware and software elements required to run the system. Enterprise is a feature-rich system that builds on the functionality of CyberAudit Professional, and is ideal for large or geographically widespread customers.

Software users can easily access Enterprise from any computer on a local network or the World Wide Web just by opening a web browser and logging on. With Enterprise, a hierarchy of administrators can be set, allowing each manager in the organization control over the locks, people, and keys in their area of responsibility. Enterprise supports a variety of methods for communication between the hardware and the software, including the use of cell phones to program user keys on demand in the field.



CyberLock System Features	CyberLock System Features			
	EntryPoint	Lite	Professional	Enterprise
CyberLocks	•	•	•	•
CyberKeys	•	•	•	•
Grand Master Keys	•	•		•
IR Encoder	•	•		•
CyberKey Base Station			•	
Authorizer			•	•
Cell Phone/Cellular PDA				•
USB Programmer			•	
Audit Trail		•	•	•
Schedule Keys		•	•	•
Master Keys			•	•
Expire Keys		•	•	•
Lost Keys			•	•
Email Notification of Events			•	•
Multiple Key Mode and Delay			•	•
Web-based Software		•		•
Hierarchy of Administrators				•
Grouping of Locks and People				•
Grouping of Access Permissions				•
User Keys Download Locks		•		•
User Keys Program Locks				•



Return Procedure for CyberLock Hardware

The following procedure should be followed when returning items to Videx for repair, replacement, or upgrade.

1. Contact the Videx Technical Support Department to discuss the equipment problem (phone (541) 758-0521, fax (541) 752-5285, support@videx.com). This step is important because in many cases the problem is minor and can be corrected over the phone. If the problem is not resolved, a Service Order number (SVO#) will be issued for returning the product. **The serial number of the non-working hardware must be provided prior to the repair to qualify for warranty. The serial number may be given to Technical Support or included with return of the product.**
2. CyberLock cylinders sent in for repair or upgrade must be reset to qualify for warranty repair.
3. Include the following items with the product for repair: The serial number of the non-working hardware, the assigned SVO#, your name, company name, return address, telephone number, and description of the problem. If the repair is under warranty, include the bill of sale as proof of original retail purchase date. If it is a non-warranty repair, also include your method of payment for the repair fee and return shipping charges. Videx accepts payment via check or money order in US dollars, Visa, Mastercard, American Express, or COD. If you have Net 30 credit terms with Videx, or are a government agency, school, or hospital, include your purchase order number and bill to and ship to instructions.
4. Place the SVO# you received from the Technical Support Department on the outside of the package. Ship the package to Videx, Inc., 1105 N.E. Circle Blvd., Corvallis, OR 97330, with the shipping charges prepaid.
5. When the product is received by Videx, it is logged into the Service Department, checked for problems, repaired or exchanged with a remanufactured unit, and tested. Exchanges are typically done within three days. Repair of specific product is usually completed within 12 business days.
6. Products are returned to you by the same method of transportation used to deliver the product to Videx, unless another method is specified. If the repair is under warranty, Videx will pay the return shipping charge; if it is a non-warranty repair, you are responsible for the return shipping charge.

Customer Support Policy

Videx has a commitment to provide excellent customer support. In the event you experience any problems with Videx equipment, please contact the Videx Technical Support Department and our technicians will assist you:

Phone: (541) 758-0521

Fax: (541) 752-5285

E-Mail: support@videx.com

If after contacting Technical Support it has been determined that a product is to be returned, please carefully pack the product and send it prepaid and adequately insured to Videx, Inc., 1105 NE Circle Blvd., Corvallis, OR 97330 USA, together with your purchase receipt or other proof of the date of original purchase. It would be helpful to include a note detailing the problem.



FCC Statement: This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Videx Limited Warranty on CyberLock Hardware

Videx, Inc. warrants this product to be free from defects in material and workmanship for a period of one (1) year from the date of original end user purchase. Videx, Inc. agrees to repair or, at our option, replace this product without charge if found to be defective during the warranty period.

This warranty does not cover damage or failures caused by products or services not supplied by Videx, Inc., or which result from abuse, attempted burglary, vandalism, misuse, neglect, mishandling, faulty installation, alteration, or modifications of the products supplied by Videx, Inc. This warranty does not cover exterior finish; i.e., color change due to weather, salt air, or chemicals. Only the weather-resistant CyberLock cylinders (CL-6P3WR & CL-OVLWR) are warranted for use in padlocks. Periodic cleaning of the face of the lock is recommended for dirty or outdoor installations.

Videx, Inc. liability hereunder is limited to the purchase price of the product. In no event shall the company be liable for any consequential, indirect, incidental, or special damages of any nature arising from the sale or use of this product, whether in contract, tort, strict liability, or otherwise. Videx, Inc. strongly recommends that this product not be installed in a location where installation could result in bodily injury, loss of life, or property losses that exceed \$10,000. Videx is not liable for the cost of labor to remove or replace locks, or for the cost of transportation to or from the job site.

No other warranty, either expressed or implied, is authorized by Videx, Inc. Videx, Inc. assumes no responsibility for any special or consequential damages resulting from the use of this product or arising out of any breach of warranty. **All expressed and implied warranties, including the warranties of the merchantability and fitness for a particular purpose, are limited to the warranty period set forth above.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

Repair/Replacement of CyberLock Hardware

During the first year from the date of original end user purchase, repair or replacement is done at no cost. During the following years, the repair or replacement fee will vary according to the length of time from purchase. Please contact Marshall Best Security for more information.

Distributed and Serviced by Marshall Best Security Corporation



Marshall Best Security Corporation

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