

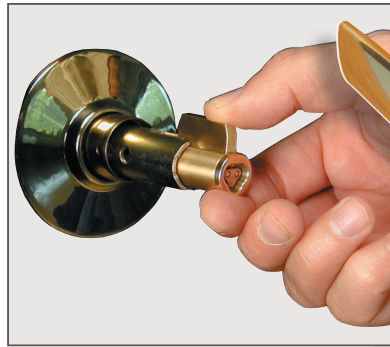
Secure, track, and report on every one of
your locks, anywhere in the world.



Welcome to the World of CyberLock

CyberLock is an innovative security system that transforms mechanical locks into a feature-rich electronic access control system.

- CyberLock cylinders fit existing lock hardware.
- Cylinders are powered by the battery in the key, eliminating the need for hardwiring.
- Programmable smart keys carry schedules and access permissions.
- Information downloaded from locks and keys increases accountability.
- A powerful software suite provides superior system management.



Access Control in the Real World

With a CyberLock system, it doesn't matter where the lock is—electronic access control is possible. By eliminating the wire between the lock and the managing software, CyberLock can be installed virtually anywhere. The convenience of a mechanical key system plus the access permissions and tracking capability of an electronic access control system come together with CyberLock.



A Complete Access Control System in Every Lock Core

A World of Solutions

CyberLock technology provides accountable access control for any industry or sector that needs to secure, control, and audit assets at the door and beyond.

Telecommunications & Data Centers

- Cell Phone Towers
- Server Racks



Utilities

- Transmission Lines
- Sub-Stations



Education

- Records & Equipment
- Classrooms



Airports & Seaports

- Perimeters
- Cargo



Mining & Construction

- Tools & Equipment
- Explosives



Transport & Logistics

- Warehouses & Depots
- Trucks & Trains



Finance

- Cash-in-Transit
- ATMs



Healthcare

- Narcotic Cabinets
- Fire & EMS



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

Project Manager, Water Treatment Facility

A World of Benefits

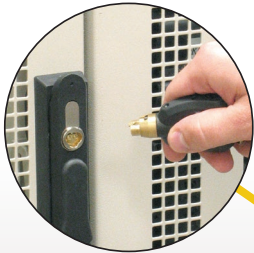
- 🔑 **Versatile: Control Access to Every Asset**
CyberLock cylinders are easily deployed on gates, trucks, shipping containers, and other mobile or remote assets. Full access control is now possible on assets previously restricted to only mechanical locks and keys.
- 🔑 **Cost Effective: Eliminate Expensive Cabling**
Electronic cylinders are installed without power or wiring making setup and installation quick, easy, and affordable. The batteries in the CyberKey smart keys energize the CyberLock cylinders, bypassing the need for expensive wiring.
- 🔑 **Reliable: Maintain Security During Power Outages**
Power outages can disrupt everything but your CyberLock security solution. Independence from the electrical grid allows CyberLock deployments to remain fully functional during power outages.
- 🔑 **Superior Key Control: Re-Key Electronically**
Keys are programmed with access permissions for each individual user. If a key is lost, it can easily be deactivated in the system, eliminating the need to re-key.
- 🔑 **Unifying: View All Access Events**
CyberLock cylinders and smart keys keep a record of all access events, including access granted and access denied attempts. Administrators can view the downloaded audit report of all lock and key activity via the management software.
- 🔑 **Simplifying: Manage All Under One Software Platform**
CyberAudit management software capably manages access not only for the electronic lock cylinders, but also for CyberLock Flex System modules—bringing remote access control and wired access under one software platform.

The Best of Both Worlds

The CyberLock system brings tremendous access control features to every lock within an organization. There are, however, circumstances where the convenience of a key card system is desired. This can be achieved with the CyberLock Flex System expansion platform.

CyberLock

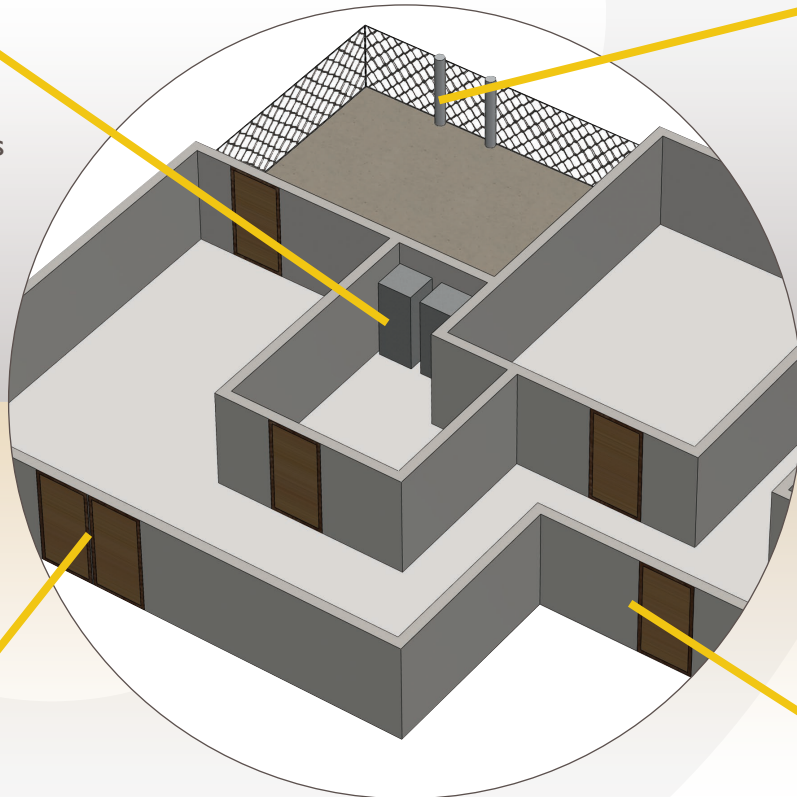
CyberLock electronic cylinders are ideal for securing access to mobile and remote assets as well as to hard-to-reach locks.



Secure server racks



Track access to perimeter gates



Integrate existing key card systems

Flex System

The Flex System is ideal for securing access to high-traffic areas using key cards for authentication.



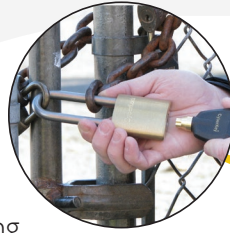
Use RFID cards to gain entry

With CyberLock and the Flex System, all access control requirements can be met and managed using one comprehensive, yet intuitive, software platform.

Secure Everywhere with CyberLock & the Flex System

Perimeter Security

Secure, restrict, and monitor access to perimeter gates and cages containing high-value assets with CyberLock electronic padlocks.



Server Cabinets

Install CyberLock electronic cylinders on server cabinets to control who has access and when.



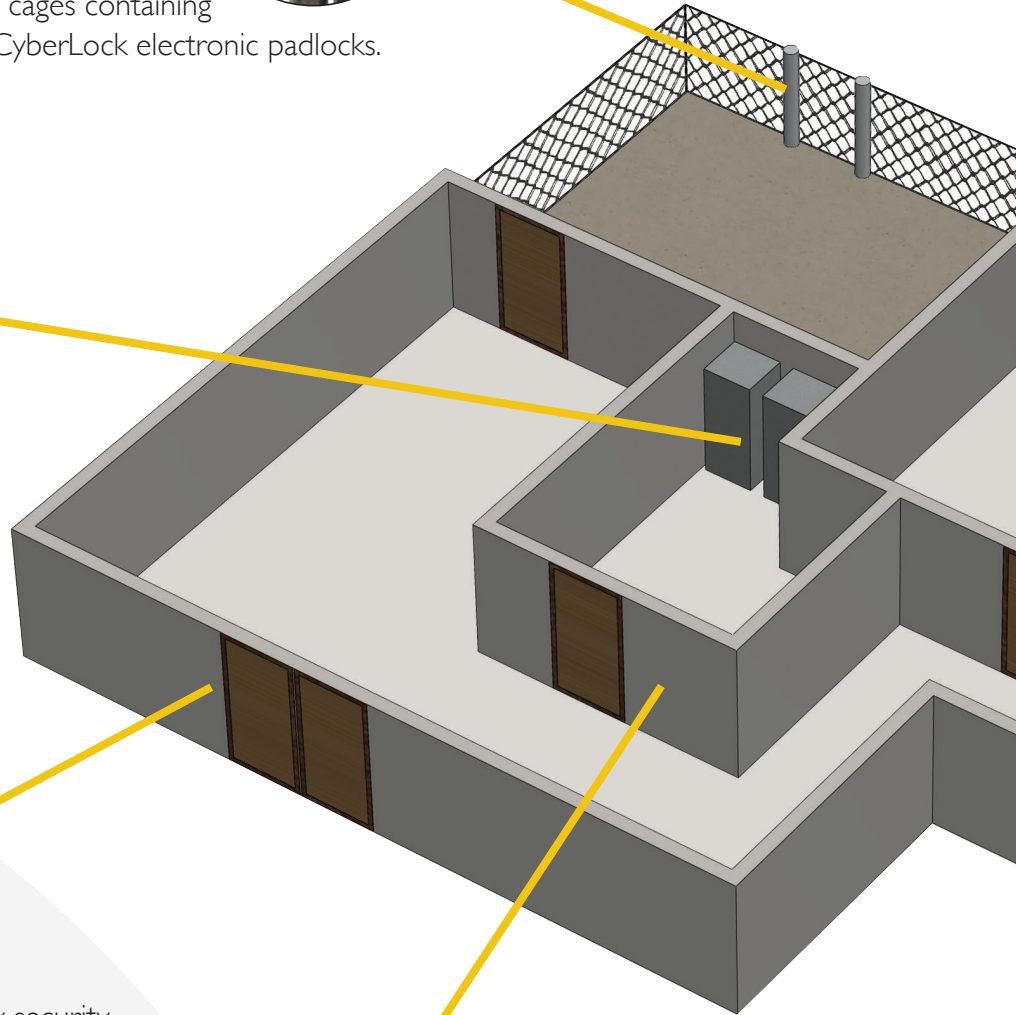
Existing Systems

Integrate the Flex System with third party security devices such as RFID readers, biometric scanners, alarms, and sensors for a comprehensive access control system.



Key Control

Store electronic keys on-site for increased key control. CyberKey Vaults connect directly to the software and communicate access activity as keys are returned.





Utility Closets

Control and monitor access to utility equipment such as electrical panels, power meters, and other mission-critical controls.



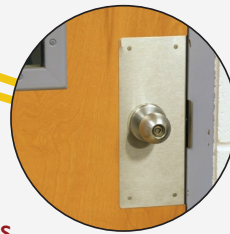
Key Authorization

Re-authorize and update keys regularly with Authorizer Keyports, which can be installed anywhere throughout a facility or campus.



Mobile Assets

Protect goods in transit. No matter how geographically widespread operations are, CyberLock cylinders can secure containers and cargo bays anywhere.



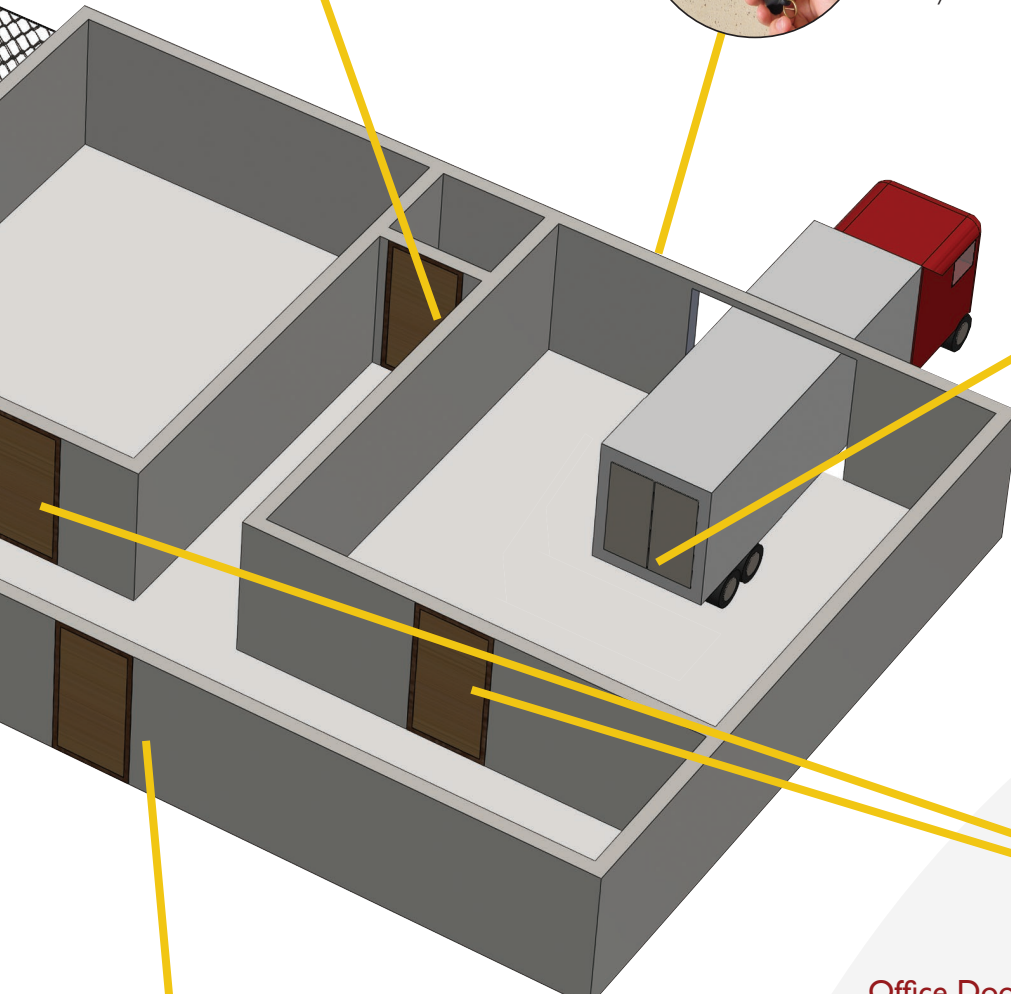
Office Doors

Restrict access and track entry to sensitive areas that house equipment, inventory, or records.



High Traffic Doors

Deploy Flex System modules such as RFID readers or PIN pads on high-traffic entryways.



How It Works

1. Access permissions are entered in the software.



2. Permissions are uploaded to CyberKeys.



3. Key holders access authorized locks.



4. Access activity is downloaded from CyberKeys.



5. Audit trails are viewed in the software.

Number	Download Date	Date	Data
3/6/2013 15:57:01	3/6/2013 15:57:03		
3/6/2013 15:56:54	3/6/2013 15:56:55	Key ID K00051E8D (E	
3/6/2013 15:56:54	3/6/2013 15:56:55	Key ID K00051E8D (E	
3/6/2013 15:56:54	3/6/2013 15:56:55		
3/6/2013 15:56:48	3/6/2013 15:56:50		
3/6/2013 15:56:47	3/6/2013 15:56:48		
3/6/2013 15:56:47	3/6/2013 15:56:48	Person Steven Brown	
3/6/2013 15:56:47	3/6/2013 15:56:48	CardBlock: Stevany	
3/6/2013 15:46:30	3/6/2013 15:46:31		
3/6/2013 15:46:27	3/6/2013 15:46:29	Key ID K00051E8D (E	
3/6/2013 15:46:26	3/6/2013 15:46:27		
3/6/2013 15:46:25	3/6/2013 15:46:26	Person Ste	
3/6/2013 15:46:25	3/6/2013 15:46:26	Temp	
3/6/2013 15:46:25	3/6/2013 15:46:26		
3/6/2013 15:46:25	3/6/2013 15:46:26		

System Management

As illustrated above, it all starts and ends with software. The CyberAudit software suite offers the user feature-rich access control management solutions for installations of any size.

Easy Access:

The software is accessed through web browsers on desktops, laptops, smartphones, or tablets.

Maintain Network Security:

Browser-accessed software doesn't mean it resides in the "cloud." Install CyberAudit on your own network following your own security protocols.

Manage Schedules:

Administrators can create customized access schedules for each individual key holder, or batch schedule entire departments.

Generate Reports:

System administrators can create and view custom audit reports on access activity and create automatic email notifications on specific events.

CyberAudit Software

Professional

Professional is an excellent choice for small- to medium-sized companies that need key control and reporting. Professional can manage as many as 500 locks and 500 keys.

Features

- Set schedules for when authorized locks may be accessed.
- Download detailed audit trails of lock and key access activity.
- Expire and/or deactivate keys.
- Configure automatic email notifications on access activity.
- Manage multiple key mode and delay capability.
- Access through a LAN or securely over the Internet.

Lock and Key Access Matrix

	Exterior perimeter	Garage	Torbin	Section CS	Y20	Cabana Room	Club House	Lounge	Pantry	Pool Maintenance 901	Gate 7	Receiving
Engineers												
Baker, Dale												9
Baker, Earl												9
Capelli, Morris												9
Corzine, Jean												9
Grady, Margaret												9
Jenkins, Ralph												9
Jones, Mario												9
LaFleur, Nancy												9
Mingo, Eugene												9
Muhammad, Abdul												9
Norris, Christopher												9
Paulson, Vic												9
Pyle, Nellie												9

Enterprise

Enterprise is ideal for large, complex, and geographically widespread installations. Enterprise can manage as many as 15,000 locks and 15,000 keys.

Features

- Perform all of the functions found in Professional.
- Spread responsibility through a hierarchy of administrators across multiple locations and time zones.
- Grant emergency one-time access or program and download keys in the field for on-demand access.
- Schedule missions.
- Share lock access with another Enterprise system.
- Integrate with other software applications.

Audit Reports

Access Attempts
2/21/2013 2:41 PM
Pacific time(US+Canada);Tijuana
6 events

Audit Trail for Flex Hub Vault20 FX - Audit Trail (DeviceId #000FB200) 2
3/6/2013 15:57:25
Pacific time(US+Canada);Tijuana
39 events

Event ?	Port Name	Port Number	Group Number	Download Date	Date	Data
28193	Door closed	b600501E1 8	1	3/6/2013 15:57:01	3/6/2013 15:57:03	
67	Key downloaded			3/6/2013 15:56:54	3/6/2013 15:56:55	Key ID K60051E9D (Bruce, Steven w. (302 - 3rd Floor Pods))
69	Key disabled			3/6/2013 15:56:54	3/6/2013 15:56:55	Key ID K60051E9D (Bruce, Steven w. (302 - 3rd Floor Pods))
111	Key Ring inse					
28192	Door opened					
121	Card scan - m					
38	People record					
35	RFID scan					
28193	Door closed					
34	CyberKey rem					
28192	Door opened					
68	Key configure					
39	CyberKey com					

Activity Log - Andrew Johnson
3/6/2013 9:32:38 AM
Pacific time(US+Canada);Tijuana
22 events

Lock Name	Event ?	Date	Source	Download Date	Communicator
65262	Mission checked in	6/19/2012 4:27:40 PM	CyberKey	6/19/2012 4:27:37 PM	JB Office
195 Mile 9 Front	Authorized to open	6/19/2012 4:20:00 PM	CyberKey	6/19/2012 4:27:37 PM	
195 Mile 10 Back 8	Authorized to open (b)	6/19/2012 4:19:56 PM	CyberKey	6/19/2012 4:27:37 PM	
195 Mile 10 Back 40	Authorized to open (b)	6/19/2012 4:19:56 PM	CyberLock/Point	6/20/2012 9:30:10 AM	
195 Mile 10 Back 8	Authorized to open (b)	6/19/2012 4:19:56 PM	CyberKey	6/19/2012 4:27:37 PM	
195 Mile 10 Back 40	Authorized to open (b)	6/19/2012 4:19:52 PM	CyberLock/Point	6/20/2012 9:30:10 AM	
195 Mile 10 Back 8	Authorized to open (b)	6/19/2012 4:19:50 PM	CyberKey	6/19/2012 4:27:37 PM	

*"The audit reports provided by the management software have been very beneficial in tracking traffic to our buildings."
Facility Manager, School District*

CyberKey Smart Keys

CyberKey smart keys are designed with highly durable fiberglass-reinforced casings and are programmed with access permissions for each key holder.



Rechargeable Battery

Contains an extended-life, rechargeable lithium-ion polymer battery.



Replaceable Battery

Powered by a field-replaceable 3-volt lithium battery.



Bluetooth® Enabled

Facilitates real-time, in-the-field communications via Bluetooth technology.

Smart Key Features

- Contains a unique ID that cannot be changed or duplicated
- Has the ability to store thousands of access events:
 - Lock ID
 - Date & Time
 - Event Type
- Carries access schedules for the specific key holder
- Retains encrypted access codes that bind the key to a specific system
- Includes a battery which energizes both the key and each lock it touches

Permissions and Schedules

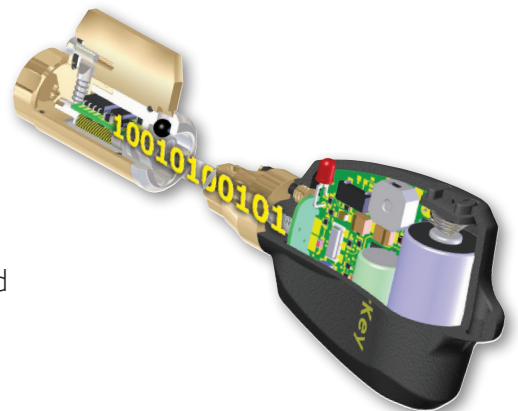
Each key contains a specific list of authorized locks and a schedule of when they may be accessed. For example, a key can be programmed to allow access to one or several locks from 8 a.m. to 6 p.m. on weekdays and 10 a.m. to 4 p.m. on Saturdays. Keys presented outside of this schedule are denied access.

Key Expirations

Keys can be assigned a start date and an expiration date. This means keys can be issued before they become active, and can be set to expire at a specific time in the future. Key holders must reauthorize keys before access will be granted again. Setting short-term expiration dates is an excellent way to minimize risk due to lost or stolen keys.

When a CyberKey Meets a CyberLock

When it first makes contact, a key energizes a lock. A split second exchange of information determines if the key is at an approved lock within an authorized time frame. Access is then either granted or denied and that action, along with a date and time stamp, is recorded to the memories of both the key and the lock.



“CyberLock has literally erased the threat of all those lost keys in circulation.”

Facility Manager, Community Church

CyberLock Electronic Lock Cylinders

CyberLock cylinders are the exact dimensions of the mechanical lock cylinders they replace. The absence of a conventional keyway means it is not vulnerable to traditional lock picking techniques. As the CyberLock cylinder needs no power or wiring, it is ideal for everything from an office building to mobile or remote assets.

Electronic Cylinder Features

- Contains a unique ID that cannot be changed or duplicated
- Has the ability to store over a thousand access events:
 - Key ID
 - Date & Time
 - Event Type
- Retains encrypted access codes that bind the lock to a specific system

Cylinders for Doorways

Retrofit knob and lever locks that accept Schlage® 6-pin and Yale® 6- or 7-pin format cylinders. Rim, mortise, and European profile cylinders are also available.



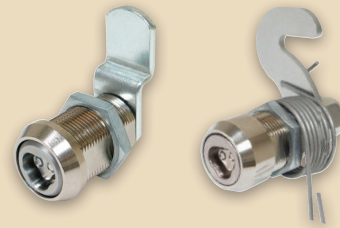
CyberLock Padlocks

Manage access to cargo bays, trucks, gates, control boxes, and more. Cylinders include additional protection against the elements for padlock applications.



Cylinders for Cabinets

The compact size of CyberLock cam locks makes them ideal for securing desk drawers, fare boxes, jewelry display cases, medical cabinets, and server racks.



IC Cylinders

Easy-to-install interchangeable core cylinders work on door and cabinet applications.



CyberPoints for Checkpoints

A CyberPoint is an electronic tag used as a data checkpoint. Each touch of a CyberKey stores a date and time stamp record in both the CyberPoint and the key. CyberPoints are designed for guard tours, maintenance checks, and inspections.



High-Security Drill-Resistant Cylinders

A number of CyberLock cylinders incorporate additional safeguards such as drill- and tamper-resistant features. These cylinders are ideal for financial applications such as cash-in-transit, vending machines, parking meters, and ATM machines.

Custom Applications

Over 300 CyberLock designs have been created to date. Contact us to see if we have a cylinder that fits your application. If not, let's talk about designing one that does.





IR Encoder



USB & Web Stations



Authorizer Keypoints



CyberKey Vaults



Smart Phone

Communicators

CyberLock communication devices serve as the interface between CyberLock hardware and CyberAudit management software.

Access privileges are distributed to key holders via communicators. These devices are linked to the software over a local area network or securely over the Internet. When a CyberKey and communicator make contact, the audit trail is downloaded from the key while simultaneously new schedules, permissions, and system information are uploaded to the key.

To increase security and accountability, access privileges can be programmed to expire at scheduled intervals. This results in users regularly updating and reauthorizing keys at communicators.

Several communicators are available to address individual, facility, and personnel needs:

Desktop

- IR Encoders and USB stations plug directly into an available USB port on a computer. Update keys as needed while at or near a workstation.

Remotely

- Authorizer Keypoints can be installed remotely, such as in a warehouse or at an employee entrance. Needing only a network connection, the Authorizer Hub stores access permissions in memory for continued operation even when the network connection is interrupted.

On the Go

- Use the micro USB port on the CyberKey II to directly connect to a laptop. Update your key anytime and anywhere you have a network connection.
- Use a CyberKey Blue to make a Bluetooth connection to a smart phone operating a Blackberry or Android OS. This enables users to update and download keys using a cellular network.

Communicator Features:

- Key activity downloads and key permission updates occur simultaneously.
- Communicator compatibility depends on the version of CyberAudit software installed.
- Several communicators offer multiple functions, such as charging the key battery or storing unprogrammed keys.



Communicators that Store and Dispense CyberKeys

Increase Key Control and Accountability

CyberKey Vault key cabinets provide an intelligent way of controlling and dispensing CyberKey smart keys. CyberKey Vaults are beneficial for users who want to automate the process of checking in and out keys. CyberAudit management software tracks when a CyberKey is dispensed and when it is returned to a vault. Upon return, the vault downloads the audit trail and reverts the key to an unprogrammed state, making it available for the next user. All vault and key activity is managed by CyberAudit and can be viewed by system administrators.

Effectively Manage Access to Outside Vendors

Businesses that need to provide access to sub-contractors, maintenance companies, and vendors will benefit from the vaults' ability to dispense temporary access or one-time use keys. Automated email reports on vault and key activity facilitate improved visibility into sub-contractor on-site activity.

Securely Store Keys on Site

CyberKey Vaults are beneficial for high security applications where keys cannot leave the building. Key cabinets are connected to the management software and continuously communicate access activity. Users can view when a key is checked out, returned, or if it is still in the field.

CyberLock Flex System

Adding the Flex System to CyberLock brings the two worlds of access control together. CyberLock secures hard-to-manage applications where a key card system is not feasible. The Flex System provides the framework to support a key card system, and more, under the same management as CyberLock cylinders. The result is the best of both worlds under one system.

What can Flex do?

The CyberLock Flex System can control a variety of access control and security elements using both Flex System modules as well as third party security devices:



Open a door with an RFID card, using a PIN pad, or combine them for more security.



Program a lobby door or employee entrance to lock and unlock on a set schedule.



Activate a light when a door is opened. The light can be at the door for safety or at a security office as an indicator.



Sound an alarm or trigger an alert with a push of a button or when a door is left open for more than a set amount of time.



Activate a video or still camera when a door is accessed.

How does Flex work?

The Flex System is comprised of a variety of modules that can be mixed and matched to create a custom access control system. The modules are plugged into a Hub which is directly connected to CyberAudit management software.



RFID

The RFID input module reads unencrypted 13.56 MHz RFID cards to identify a person and their permissions; can be used with data entry modules for dual identification.



Keypad Display

The Keypad Display input module provides entry of PIN or job numbers; can be used with RFID card reader for dual identification.



Display & Knob

The Display and Knob input modules work together for high-security data entry of PIN or job numbers; can be used with RFID card reader for dual identification.



The Flex System Hub

The Flex System Hub connects with CyberAudit software and provides power to the Flex System modules. Embedded memory in the Hub stores access permissions and saves audit trail information, enabling continuous operation even when a network connection to the software is interrupted. Moreover, power outages can be mitigated by connecting a back up battery or auxiliary power source directly to the Hub.



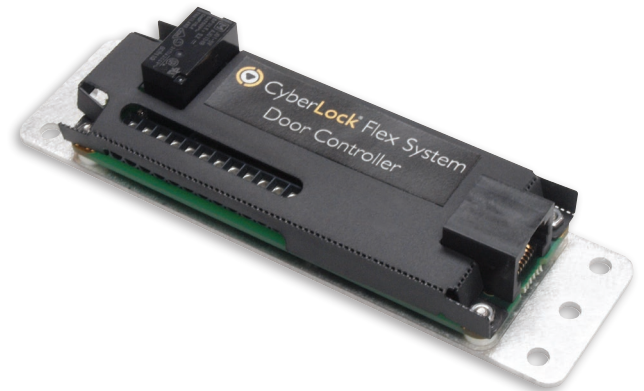
The Flex System Modules

There are a variety of Flex System modules available for a customized access control system:

- Input modules such as RFID readers and Keypad Displays can be used individually or combined for dual-credential door access.
- Weather resistant key vault modules can be installed in the field to securely store CyberKeys for convenient remote employee access.
- The multi-function Keypoint module simultaneously activates electric door strikes and updates CyberKeys.

The Flex System Door & I/O Module

The Door & I/O module expands the capabilities of the Flex System even further. As a door controller, it provides power to an electric door strike and unlocks it when an approved key card is presented. It has additional inputs and outputs that can control relay devices such as alarms, speakers, cameras, or sensors. Finally, it can connect to compatible third party Wiegand devices such as HID readers and biometric scanners.



Keypoint

The Keypoint module has two functions: it controls an electric strike and updates and downloads CyberKeys.



Vault WR

The Vault WR is a weatherized key safe that holds a single, unprogrammed key and recharges the battery of rechargeable CyberKeys.



Wiegand

Compatible Devices
26-bit Wiegand compatible devices can be integrated into the system with the Door & I/O module.

CyberLock in Action



Finding a “Metro-Proof” Lock System

In the Amsterdam Metro, a lock cylinder has a lot to endure; it must be resistant to burglary attempts, vandalism, manipulation, corrosion, and rough handling. To increase security and key control, Metro Amsterdam chose CyberLock. They were pleased with the unique features of the CyberLock system, and because the locks are installed without wiring, they were able to replace all cylinders, including padlocks, while staying within budget.

*“Within a month, all cylinders had been replaced, including those in doors with very uncommon profiles.”
Frank de Vries, Security Manager*



Ensuring a Safe School Environment

Over the years, Toppenish School District slowly lost control of their mechanical key system and many community members had access to the district’s facilities. With the mechanical lock and key system, they had no effective way to control and audit access to their facilities. Toppenish chose to install the CyberLock system because it was affordable and no wiring was needed for installation.

“The management piece and knowing who has access has been very beneficial and I look forward to carrying just one CyberKey instead of 50 different mechanical keys.” Scott Kallenberger, IT Manager



Accounting for the Cash

The transit authority in the greater Cleveland area had a problem with misplaced keys to the fare boxes on their buses. A review of the collection reports indicated that a significant amount of money was not making it to the bank. Although there was no way to detect if these missing keys were being used to raid the fare boxes, their absence provided a wide hole in loss prevention efforts. The CyberLock system was selected because it addressed their primary concerns of key control.

*“The bottom line is that the collected revenue ratio has increased and employee productivity has improved.”
Scott Medlong, Transit Officer*



CyberLock, Inc. is the leading supplier of key-centric access control systems. It is part of the Videx family of companies with roots dating back to 2000 when the first CyberLock branded electronic locks and smart keys were introduced to the market.

Videx, Inc. has been designing and manufacturing innovative electronics since the company was founded in Corvallis, Oregon in 1979. Early products included display enhancement modules for Apple computers. In 1985, Videx entered the data collection industry with its first portable bar code scanner. Over the years, additional data collectors have been introduced utilizing touch memory button and RFID tag technologies.

In 2013, CyberLock, Inc. was spun off as an independent company but maintains strong ties to Videx. The two companies continue to collaborate on future innovations.

CyberLock, Inc.

1105 N.E. Circle Blvd., Corvallis, OR 97330
541-738-5500 • Fax 541-738-5501
www.cyberlock.com • sales@cyberlock.com

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