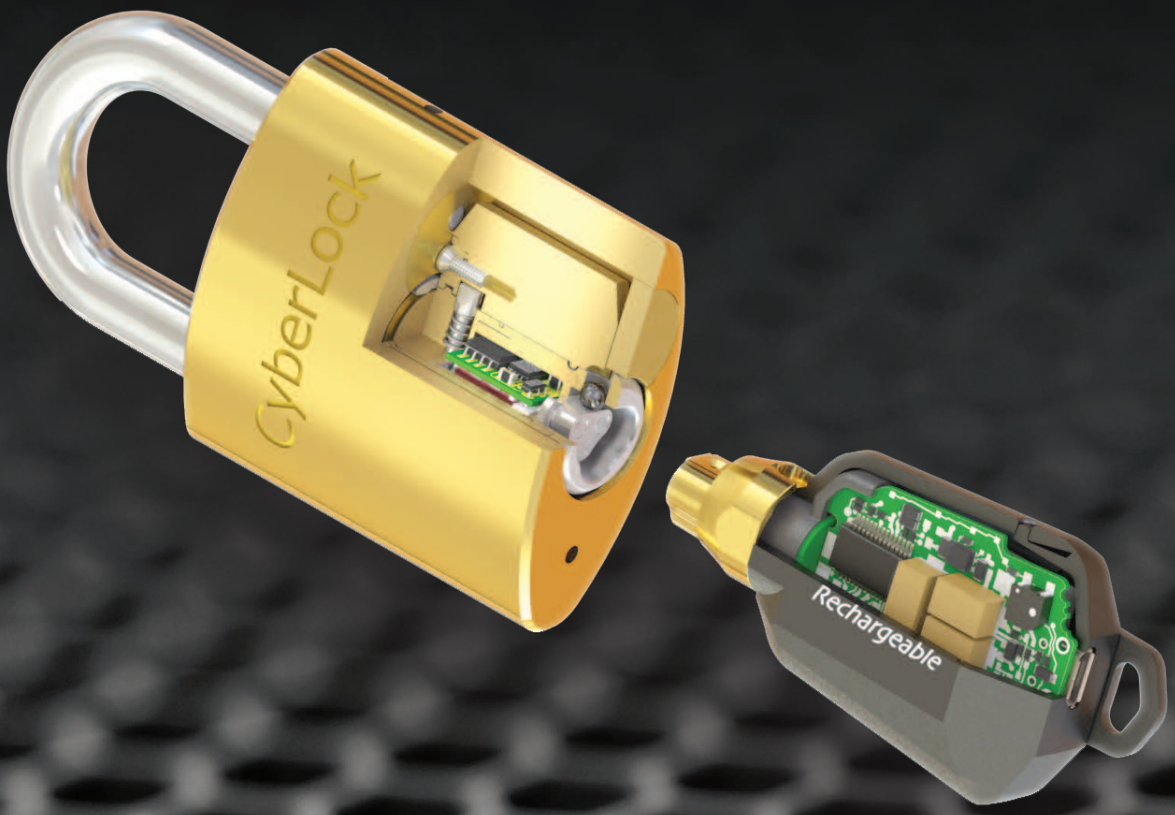
CyberLock®

Innovative Solutions for Real World Security



A World of Benefits

Versatile: Control Access to Every Asset

CyberLock cylinders are easily installed 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 CyberKey smart keys energize CyberLock cylinders, bypassing the need for expensive wiring.

Reliable: Maintain Security During Power Outages

Power outages can be disruptive, but your CyberLock security system will not be compromised. Independence from the electrical grid allows CyberLock installations 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 Everything Under One Software Platform

CyberAudit management software 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.

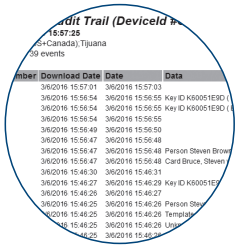
How CyberLock Works

1. Access permissions are entered in the software.

2. Permissions are uploaded to CyberKey smart keys.

3. Key holders access authorized locks.

4. Access activity is downloaded from CyberKey smart keys.



5. Audit trails are viewed in the software.

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.

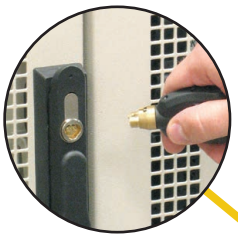
Secure Everywhere with CyberLock & the Flex System

Perimeter Security

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

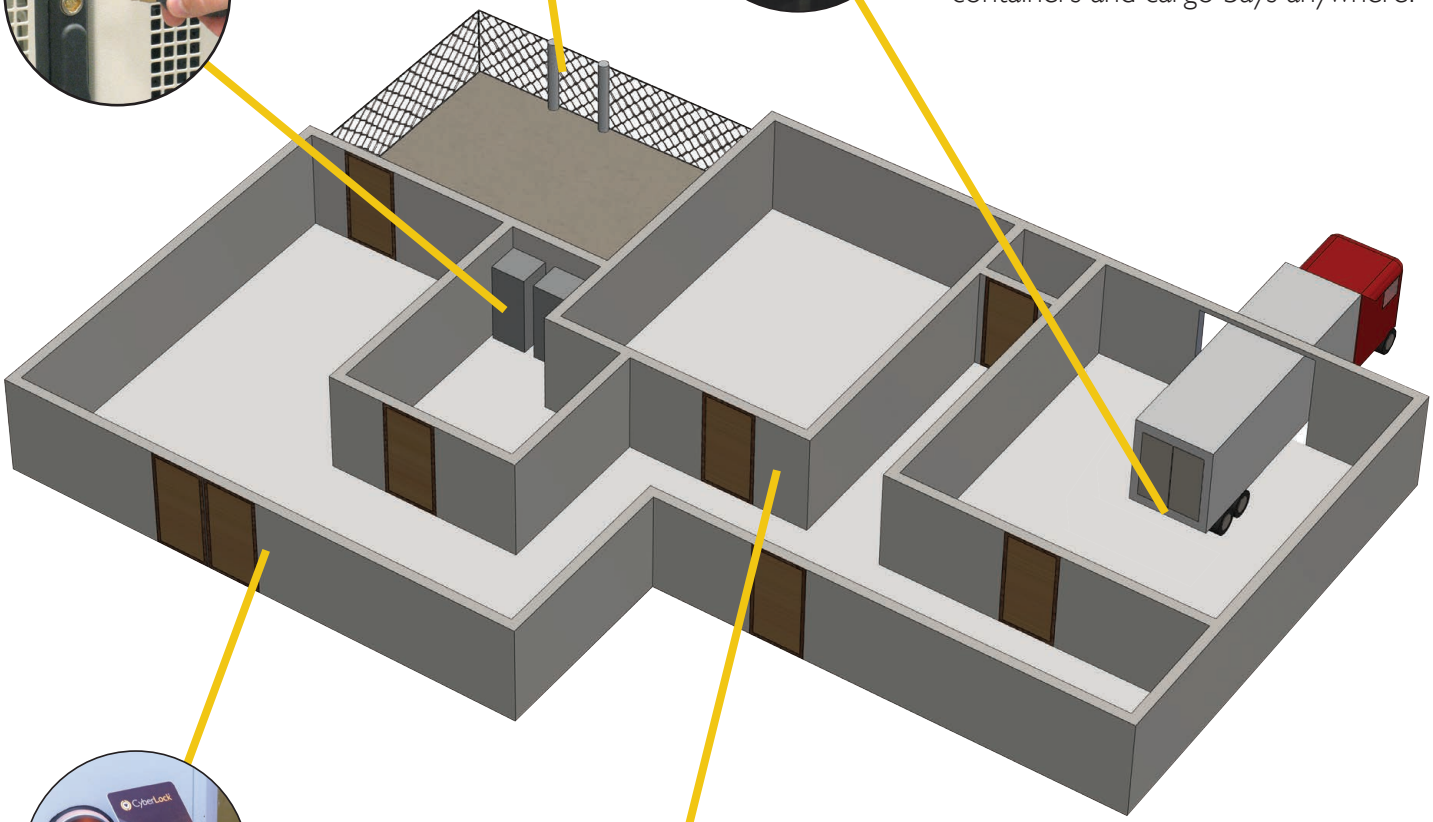
Server Cabinets

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



Mobile Assets

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



High Traffic Doors

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

Key Authorization

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

CyberLock Electronic Lock Cylinders

CyberLock cylinders easily retrofit into existing hardware and they are the exact dimensions of the mechanical lock cylinders they replace. The absence of a conventional keyway means they are not vulnerable to traditional lock picking techniques. As CyberLock cylinders needs no power or wiring, they are 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 350 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.

CyberKey Smart Keys

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

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

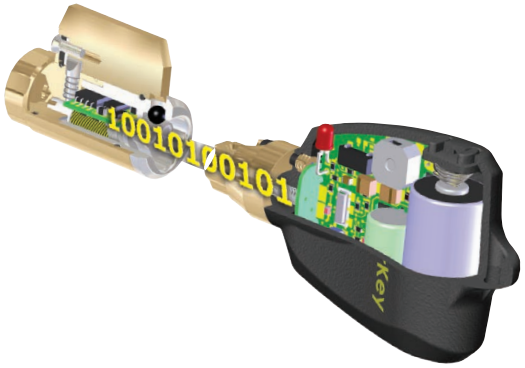
Each key contains a specific list of authorized locks and a schedule of when they may be accessed. For example, a key can be programmed to allow access to one or several locks from 8 a.m. to 6 p.m. on weekdays and 10 a.m. to 4 p.m. on Saturdays. Keys presented outside of this schedule are denied access.

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.



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.

Wi-Fi Enabled

Facilitates in-the-field communications and updates via Wi-Fi technology.

IR Encoder

USB & Web Stations

Authorizer Keyports

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 Keyports 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
- Use the CyberKey Air to connect to the software via Wi-Fi. Keys will update through the approved network at scheduled intervals or when users request updates by using the key or tapping it

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 Issue 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 issuing 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.

Validikey 2 Vault and Station

The ValidiKey 2 vault can hold and program up to two CyberKeys. It has a door that locks to secure the CyberKeys until an approved RFID card is scanned or a mission number is entered on its display keypad. After verifying the mission from its internal cache, the ValidiKey 2 programs a CyberKey with that user's permissions, unlocks the door, and prompts the user to remove the key.

The ValidiKey 2 station can program and charge both missioned and issued Cyberkeys.

CyberAudit Software

Lock and Key Access Matrix

CyberAudit software manages both the CyberLock, key-centric solution, and the hardwired Flex system simultaneously. CyberAudit software is available in two software packages: Enterprise Basic and Enterprise 8.0. Both software versions are categorized by the number of key holders and can manage thousands of users and locks.

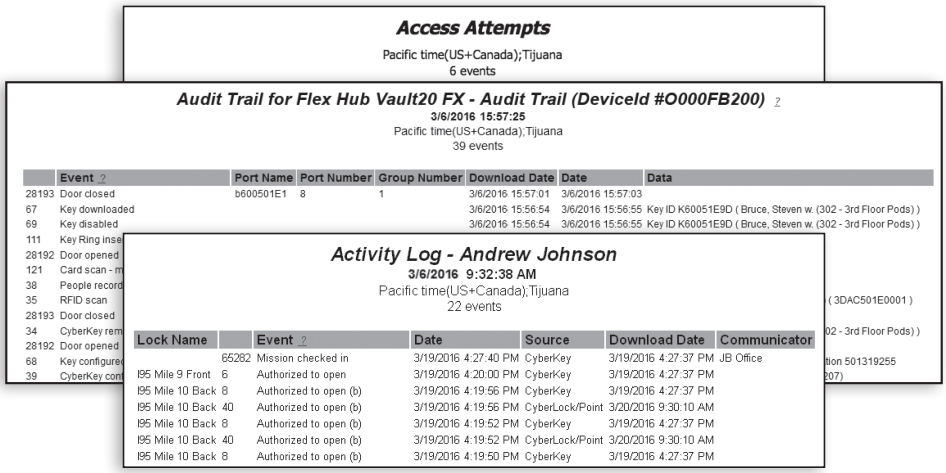
Enterprise Basic

Enterprise Basic is an excellent choice for small-to-medium-sized companies that need key control and reporting. It brings a few of the essential features of Enterprise 8.0 in an easily manageable platform.

Enterprise 8.0

The full version of Enterprise 8.0 is a feature-rich management software, ideal for large, complex, and geographically widespread installations. Enterprise 8.0 offers all of the features of Enterprise Basic as well as advanced options like Bluetooth and Wifi CyberKeys, and the ability to share locks with other Enterprise 8.0 users.

Audit Reports

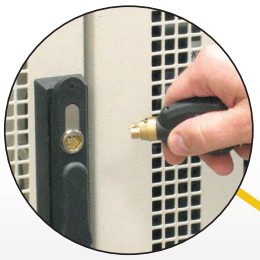


The Best of Both Worlds

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.

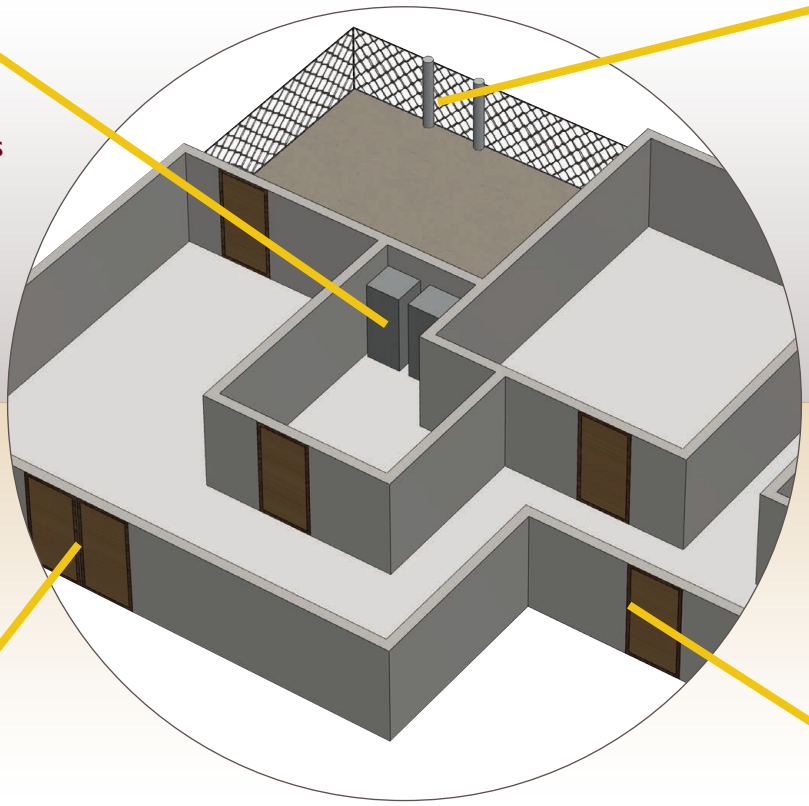
CyberLock

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.

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 managed within 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 using a PIN pad or an RFID card, or combine both for improved security
- Program a lobby door or employee entrance to lock and unlock on a set schedule
- Activate a light when a door is opened
- Sound an alarm or trigger an alert with a push of a button or when a door is left open
- 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.

The Flex System Hub

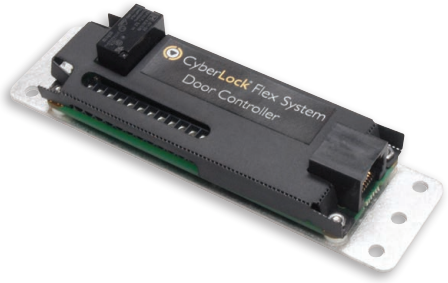
The Flex System Hub connects with CyberAudit software and provides power to the Flex System modules. Embedded memory in the Hub stores access permissions and saves audit trail information, enabling continuous operation even when a network connection to the software is interrupted. Moreover, power outages 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 CyberKey smart keys for convenient remote employee access
- The multi-function Keyport module simultaneously activates electric door strikes and updates CyberKey smart keys

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.

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 - 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 - 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 - Transit Police 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.

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