



Innovative Solutions  
VA Hospital Security





Historically, the use of mechanical keys and locks was the first and only form of security found in Veterans Affairs (VA) hospitals. Unfortunately, mechanical master key systems can quickly become a security emergency when employees are dismissed or keys are lost or stolen. Additionally, accountability is virtually impossible to maintain in systems that do not provide a record of access attempts.

VA hospitals, like the medical industry in general, face a unique set of security challenges. As medical equipment evolves, with devices designed to integrate with a hospital network and even the cloud, patient data is distributed across any number of physical and virtual machines, creating a growing source of security vulnerabilities. Additionally, hospitals are tasked with securing and controlling access to narcotics and other drugs. Hospitals, clinics, and other medical facilities need the ability to exercise precise control over who has access to certain areas or items.



# CyberLock Features



## Control and Schedule Access

Using the CyberAudit Management software, permissions for each lock and key can be changed effortlessly, enabling precise control over access to all entry points. CyberKey smart keys are programmed with a schedule to open one, several, or all locks in the system within a designated time frame.



## Increase Accountability

Every time a CyberKey accesses a CyberLock, a time-stamped access record is stored in both the lock and the key, providing system administrators with full visibility of all access attempts. Perfect for mobile integrated healthcare.



## Easy Installation

Over 380 CyberLock cylinders have been designed to retrofit into a variety of access points, including doors, cabinets, safes and more. CyberLock cylinders retrofit directly into existing hardware, making installation quick and seamless.



## Never Re-key Again

When a key is lost or stolen, CyberLock cylinders can be programmed to deny access to the lost or stolen key. Additionally, CyberKey smart keys can be scheduled with an expiration date. This means when the key expires it will deny access until communication occurs between the key and the CyberAudit software.



## Eliminate Duplication Concerns

CyberLock employs unique access codes that electronically bind both the cylinder and key to one system, meaning CyberKey smart keys are not susceptible to mechanical duplication like traditional master keys.



## Physical Security

Unlike mechanical locks, CyberLock cylinders have a unique, sealed design that negates standard lock picking techniques. This makes CyberLock the ideal solution for high security applications, including access points at critical data storage areas.



## System Integration

With system enhancement modules CyberLock can integrate with an existing hardwired system, allowing healthcare facilities to use both hardwired and wireless access control solutions.



With so many physical and digital assets to secure, VA hospitals are tasked with implementing an access control solution that allows them to track and manage access to everything from equipment, patient data and narcotics. Complicating matters, most VA hospitals are older, sprawling structures, making it difficult and expensive to pull wire for hardwired access control solutions.

The CyberLock system provides a proven way for VA hospitals to implement an access control solution without the cost of hardwiring.

CyberLock is virtually tailor made for VA hospitals. With over 380 cylinder designs the CyberLock system provides complete access control at every access point. Simply retrofit existing mechanical hardware with a CyberLock cylinder. Using a CyberKey smart key, manage who can access equipment and for how long. Additionally, every access attempt is stored in both the lock and the key to help hospitals satisfy strict record keeping requirements.

**VA**



U.S. Department  
of Veterans Affairs

# How it Works: A Simple Step-by-Step Process

## Step 1

Replace existing mechanical cylinders with programmed CyberLock cylinders. Each CyberLock is an electronic version of a standard mechanical lock cylinder. Installation is as simple as removing the original cylinder and replacing it with a CyberLock cylinder. Installation requires neither wiring nor batteries, making it quick and easy.



## Step 2

Assign a CyberKey to a user. Keys are programmed with access privileges for each user. A standard key holds a list of locks the user may open, with a schedule of days and times when access is allowed. For instance, the key can be programmed to allow access during an employee's shift and deny access outside of the scheduled shift. It can also be programmed to expire on a specific date for increased security.



## Step 3

Access locks. When a CyberKey meets a CyberLock, the cylinder is energized and an information exchange occurs to determine if the key has access to that specific cylinder. The event and time is stored in both the lock and key. Lock cylinders and keys can record when an unauthorized attempt to open a lock occurred.



## Step 4

Download audit trails and update keys via communicator devices. Expiring keys regularly ensures users frequently update their keys. When validating keys, the system downloads the audit trail and uploads new access privileges to the key. An expired key will not work until it is updated.

## Step 5

View audit trail. The CyberLock system is managed centrally through CyberAudit software. Customized audit reports and notifications on suspicious activities can be automatically generated via email.



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.**

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