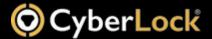# CyberLock®

Innovative Solutions

Data Center Security

CyberLock

Security Challenges for Data Centers

Protecting digital assets is of the utmost importance to companies globally, small or large. With over 2.5 billion data centers worldwide, this crucial data has needs that go beyond cyber protection; it now requires adequate physical security. Negligent insiders and malicious attacks are the main cause of data breaches. With CyberLock, protect your server rooms and colocations by retrofitting existing door and server rack hardware with a CyberLock electronic lock. The unique key face of the CyberLock negates traditional lock picking techniques including picking and bumping. Through CyberAudit Web software, a system administrator can program entry permissions to each individual employee's smart key, allowing access to the server room or racks at permissible times. When cyber security is not enough, CyberLock allows companies to physically protect and track access to critical assets.

With CyberLock You Can:
- Protect sensitive data
- Secure server rack colocations and server rooms
- Eliminate the need to re-key when keys are lost, stolen, or employees are dismissed
- Increase security by scheduling and tracking all access activity
- Carry one key that can be programmed to open one lock or all locks in your system

CyberLock Features

Control and Schedule Access

Using the CyberAudit Management software, permissions for each lock and key can be changed effortlessly, enabling immediate and 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.

Easy Installation

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

Key Control

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.

Data Center Physical Security Checklist
Where CyberLock Can Help

Site Perimeter - Fencing	√
Employee Authentication	√
Dual Authentication	√
External Access Points	√
Internal Access Points	√
Colocation Access Control	√
Offsite Access Points	√
Fail Secure	√
Auditable	√

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

Step 1
Replace existing mechanical cylinders with a programmed CyberLock cylinder. 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 from 8 A.M. to 6 P.M. on weekdays and 10 A.M. to 4 P.M. on Saturdays. It can also be programmed to expire on a specific date at a specific time 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 also 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®

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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