

CyberLock[®]

Key Centric Access Control



EXCELLENCE IN INNOVATION

Since 1999 | www.cyberlock.com

CyberLock Offerings

One Powerful Software Suite, Three Innovative Access Control Solutions

CyberLock is a four-component, key-centric, access control system comprised of CyberLock electronic cylinders, CyberKey smart keys, communication devices, and software.

CyberAudit-Web (CAW) is the software suite for the management of all CyberLock products, including key-centric, hardwired, and keyless access control. CAW allows users to assign keys, set key expirations, add new cylinders or locking points, monitor staff and contractors, create access schedules, and generate audit trails and custom reports. This user-friendly software suite provides powerful features to ensure that managing access points and privileges is not just easy, but also convenient.

CYBERLOCK CYLINDERS

CyberLock electronic cylinders are designed to the exact dimensions of their mechanical counterpart, which enables users to simply retrofit existing hardware rather than replace hardware altogether. Cylinders are powered by CyberKey smart keys, which means there is no battery or power required at the lock. All the power is provided by the key.

COMMUNICATION DEVICES

CyberLock communication devices serve as the interface between CyberLock hardware and CyberAudit-Web. Communication devices come in a number of convenient formats that allow key holders to download audit information to the software and upload new schedules and permissions to their CyberKey.

KEYLESS TECHNOLOGY

With CyberLock's keyless access control solutions, your phone is the key. Utilizing Bluetooth or our proprietary FlashLock technology, users can gain access to door strikes, doors, padlocks, and more with efficiency and convenience. CyberLock Blue's keyless credentials are managed by the Cyber Access mobile app, which transmits encrypted access codes using Bluetooth 5.0 technology and 256-bit AES CMAC challenge-response authentication for fast, secure access. FlashLock allows for duration-limited or one-time access to an entry point, using a mobile device, without the need to install an app or create an account.

CYBERKEY SMART KEYS

CyberKey smart keys are scheduled with specific access permissions that allow key holders to open one, several, or all locks within their system, during a designated time frame. Outside of that time frame the key will deny access to the lock. Every time a CyberKey touches a CyberLock, a time-stamped record is recorded in both the lock and the key.

CYBERAUDIT-WEB SOFTWARE

CyberAudit-Web manages CyberLock systems of all sizes. The software allows you to assign keys, set expirations, add new cylinders, monitor staff and contractors, create access schedules, and generate audit trails and custom reports. CAW can be easily accessed through web browsers on desktops, laptops, smartphones, or tablets.

CYBERLOCK FLEX SYSTEM

The CyberLock Flex System is a hardwired access control platform that allows users to manage a wide range of powered devices. In addition to controlling RFID readers, electric door strikes, weatherized key vaults, alarms, and more, Flex also offers modules for programming CyberKey smart keys. Flex can even control compatible third-party Wiegand devices.

Manage CyberLock, Flex, Blue, and FlashLock products with CyberAudit-Web.



PRODUCT LINES

Simplified Solutions,
Innovative Technology

 CyberLock
830-3

CyberLock's Heavy-Duty
2" Shackle Padlock

400+ Electronic Cylinders!

Electronic cylinders are installed without power or wiring making setup and installation quick and simple.

CyberLock's electronic cylinders are manufactured to the exact dimensions of the mechanical lock cylinders they replace.

Standard security features in every cylinder include tamper delay, torque resistance, stun gun resistance, a time-stamped audit trail, and a sealed keyway designed to prevent picking techniques. Additional security features include tamper and drill resistance.

Cylinders

- Cylinders for doorways retrofit into knob, lever, mortise, rim, and profile locksets.
- Easy-to-install interchangeable cores are used in a number of applications.
- CyberLock has designed cylinders for traffic cabinet and vending machine locks.

Padlocks

- Padlocks are offered with a 1", 2", or 3" shackle.
- Hockey puck padlocks provide a shackle-free, shielded option for additional attack resistance.
- CyberLock padlocks can be purchased as either key-retaining or non-retaining.

CyberLock cylinders are designed to withstand harsh environments with a variety of IP68-rated cylinders.

Installed CyberLock Half-Profile Cylinder

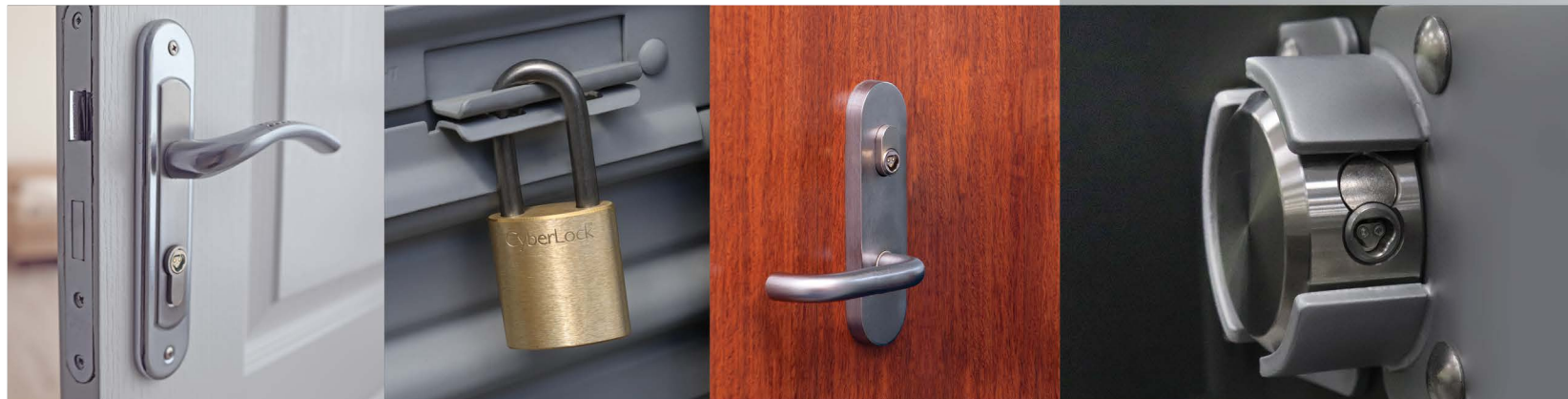
Sealed Keyway
Prevents conventional lock picking techniques

AES-256 Encryption

Designed, manufactured & assembled in the **USA**

Audit Capacity
2nd Gen locks store 6500 audit events

Left to right:
Profile Cylinder, 2" Shackle Padlock, Scandinavian Oval Cylinder, Hockey Puck Padlock.



Generation 2

CyberLock offers 2nd generation cylinders in 400+ designs. With state-of-the-art technology and additional features, Gen 2 cylinders offer more flexibility and greater control over each and every access point.

Increased Audit Capacity

Memory to store up to 6500 audit events and a lost key list of up to 510 keys

Military Grade Security

AES-256 encryption between the lock and the key

Backwards Compatible

Operate in Gen 1 or Gen 2 mode to meet the needs of customers, new and old

Flexible Integration

Easily toggle between Gen 1 and Gen 2 mode through CyberAudit-Web and a CyberLock Programmer II



Mortise
Cylinder



Traffic Cabinet
Cylinder



Camlock



Small Format
IC Core



Scandinavian
Oval



T-Handle
Cylinder

The Key To Confidence

CyberKey smart keys are scheduled with specific access permissions for the key holder. Each key holds a record of every access attempt. Additionally, keys can be programmed to communicate vital information to the lock or download the audit trail data from the lock.

CyberKey smart keys are available with a number of versatile features to meet the needs of customers in nearly any application.



Wi-Fi Communication

Update access permissions and upload audit trail data in near real-time when the key is connected to an approved Wi-Fi network.



Bluetooth Communication

Update access permissions and upload audit trail data using an Android or iOS app on your smartphone.



FlashLock Compatibility

Open RFID enabled doors, FlashLock access points, and CyberLock access points with a single key.



Battery Versatility

CyberLock smart keys are either equipped with convenient rechargeable batteries or replaceable batteries.



CyberKey Blue 3 with CyberLock's Heavy-Duty Padlock

Left, top to bottom:
Infrared CyberKey X11,
Infrared CyberKey, Flash CyberKey,
USB CyberKey,
Bluetooth CyberKey.

Key Control

Keys can be assigned a custom schedule. This means keys can be issued before they become active, and can be set to expire at specific times in the future. Key holders must reauthorize expired 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.

Communication is Key

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

CyberLock communicators are linked to CyberAudit-Web over a local area network or securely over the Internet. When a CyberKey and communicator sync, the audit trail is downloaded from the key, and new schedules, permissions, and system information are uploaded to the key.

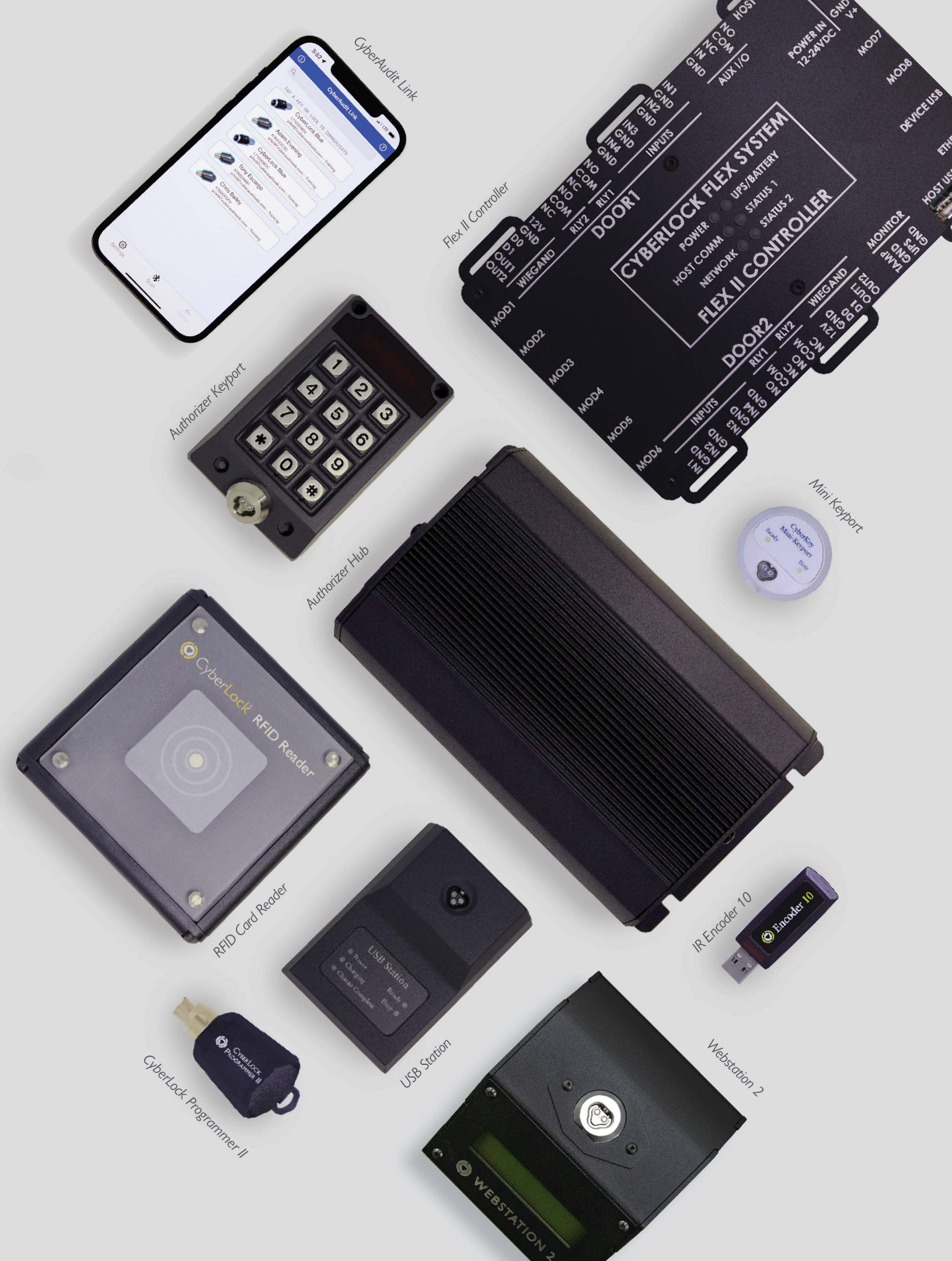
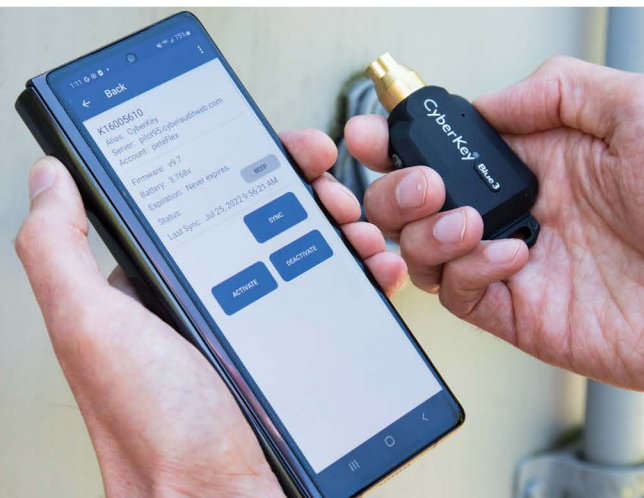
Communicators for a Mobile Workforce

Desktop: The IR Encoder plugs directly into a USB port on a computer. It updates infrared CyberKey smart keys while at or near a work station.

Mobile: The micro-USB port on select keys offers a wired connection to a laptop or smartphone to update keys anywhere a network connection is available.

Remotely: Authorizer Keyports can be installed at remote locations such as a warehouse or employee entrance. The Authorizer Hub caches access permissions in memory for continued operation even when the network connection is interrupted.

CyberKey and mobile device communicating via CyberAudit Link app.



ValidiKey Vaults

These state-of-the-art ValidiKey vaults have the ability to recharge, program, and dispense CyberKeys. Unprogrammed keys are stored in the locked vault until an approved RFID card and/or PIN is presented. After user credentials are verified, the vault programs a key with user-specific permissions and opens the vault, prompting the user to remove the CyberKey.

Designed for ValidiKey vaults, the ValidiKey Ring allows users to control mechanical keys alongside CyberKey smart keys.

ValidiKey 2 Plus

Designed to fit small to medium facilities.



Validikey 2 Plus Vault

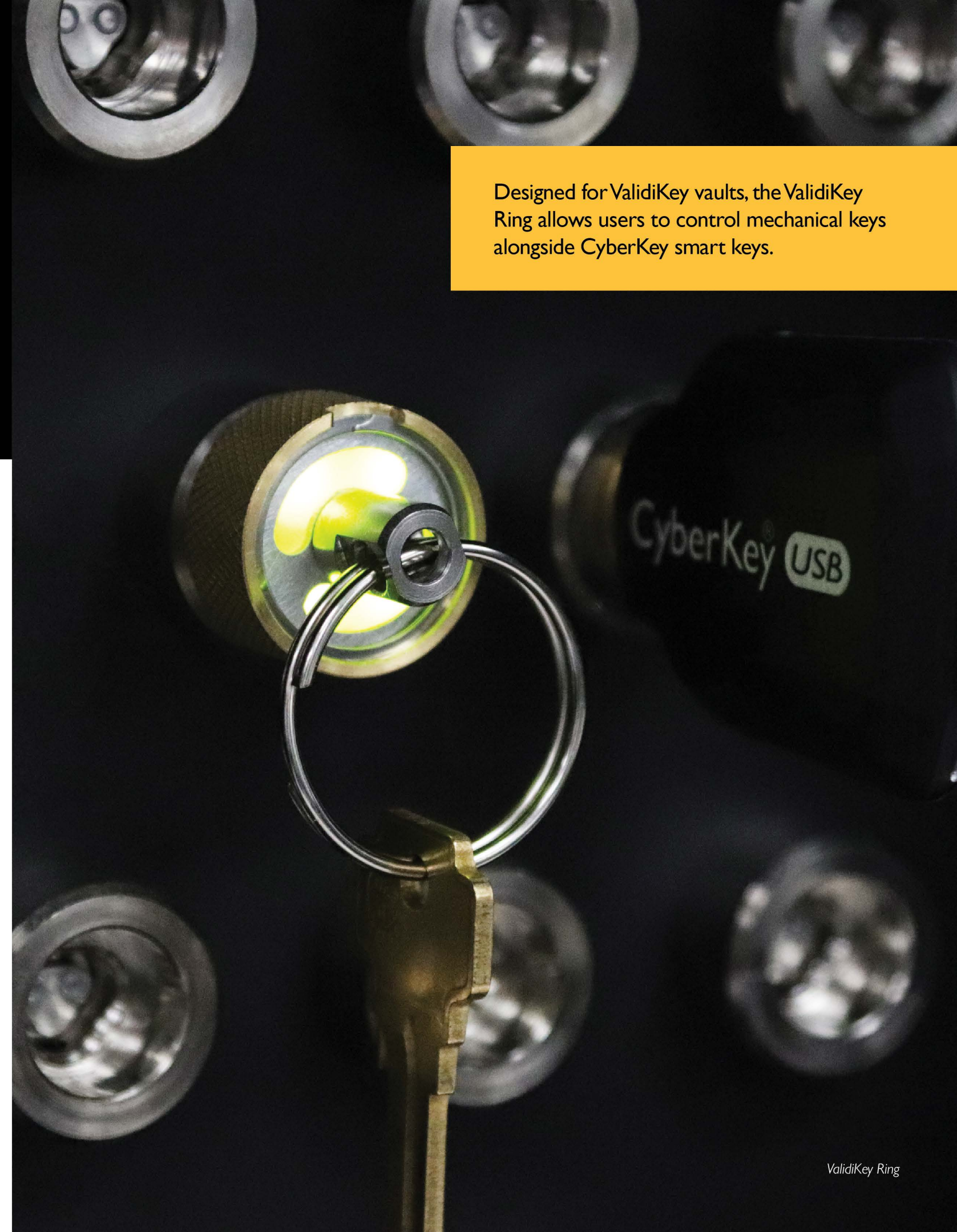
ValidiKey 20 Vault

Designed to fit medium to large facilities.



Validikey 20 Vault

Vaults are scalable, meaning numerous vaults can communicate within a single CyberAudit Enterprise system. Vaults and CyberKeys are auditable, showing users a record of which keys were checked in or checked out, and at what time.



Convenient, Powerful Security Management

CyberAudit-Web is the powerful software suite for management of CyberLock systems. CAW allows you to assign keys, set expirations, add new cylinders, monitor staff and contractors, create access schedules, and generate audit trails and custom reports.

Accessibility

CAW can be accessed through web browsers on desktops, laptops, smartphones, or tablets.

Security

CyberAudit-Web supports AES-256 encryption between lock and key.

Azure/AD Directory Integration

CAW synchronizes with AD daily and can be done on demand. Synchronization adds, removes, or updates people based on the latest information in AD.

Management

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

Accountability

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

Dynamic Tags

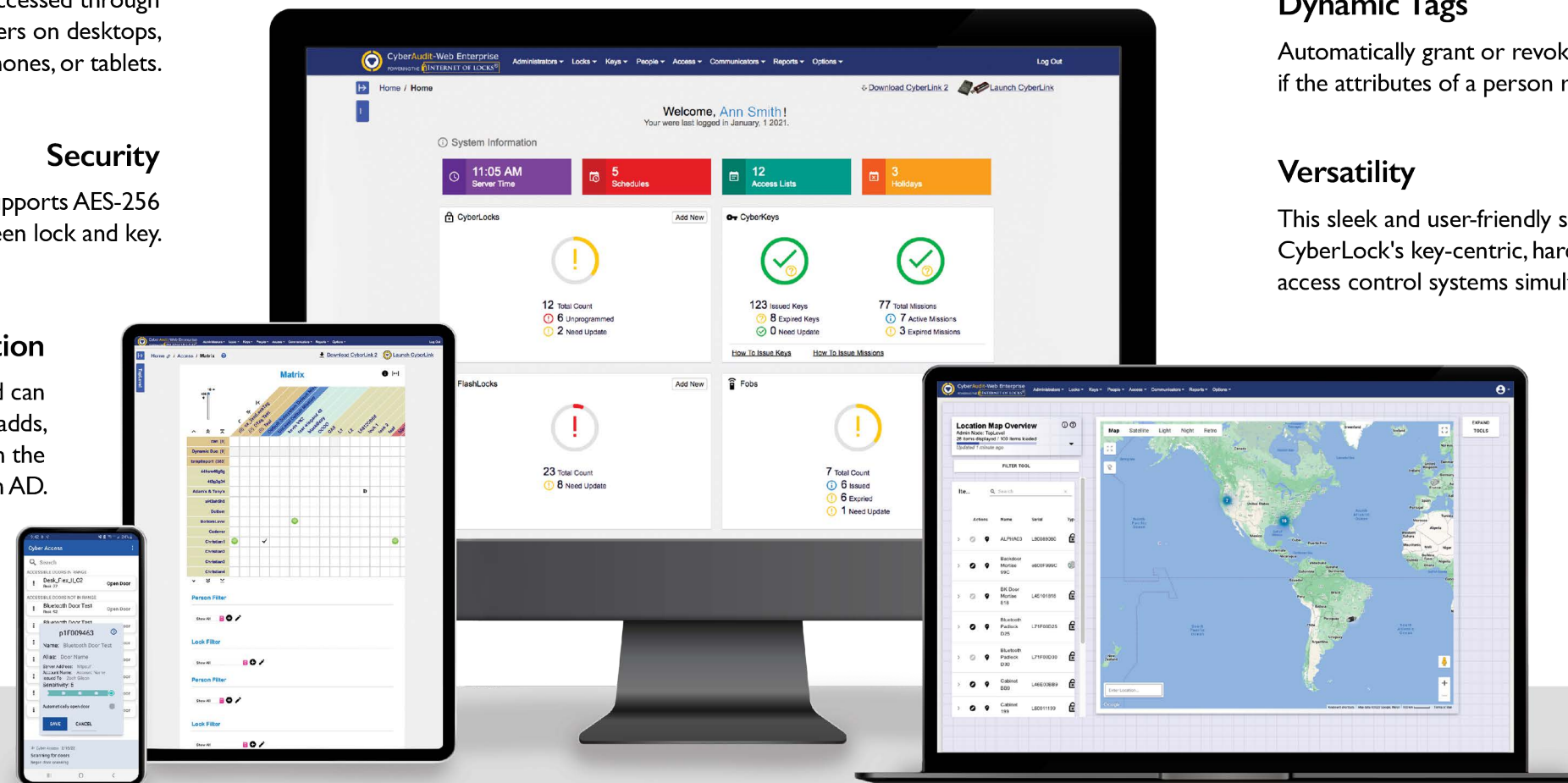
Automatically grant or revoke access permissions if the attributes of a person record or lock change.

Versatility

This sleek and user-friendly software manages CyberLock's key-centric, hardwired, and keyless access control systems simultaneously.

Geolocation

Integration with Google Maps allows for the placement of locks/communicators at set GPS coordinates for easier tracking and management.



Access In A Flash

FlashLock is designed to put access control in the palm of your hand. Using serial optical communication technology combined with a web-enabled device, issue and receive access to any lock retrofitted with FlashLock. Simply open a FlashLock access link and hold the screen to the face of the lock.

- Optical keyless credential that can be issued without a dedicated mobile application or user account registration.
- Send and receive duration-limited access via text or email.
- FlashLock eliminates the need to worry about lost, stolen, or copied keys.
- FlashLock can also be opened using a compact FlashLock fob.

Flash technology reduces hardware compatibility issues making it ideal for temporary users and contractors. FlashLock provides a convenient access control option for those requiring one-time or duration-limited access. Audit trail information is associated with the user's mobile number, so the administrator is still able to maintain a record of who accessed the device.



CyberLock FlashLock Padlock protecting a container.



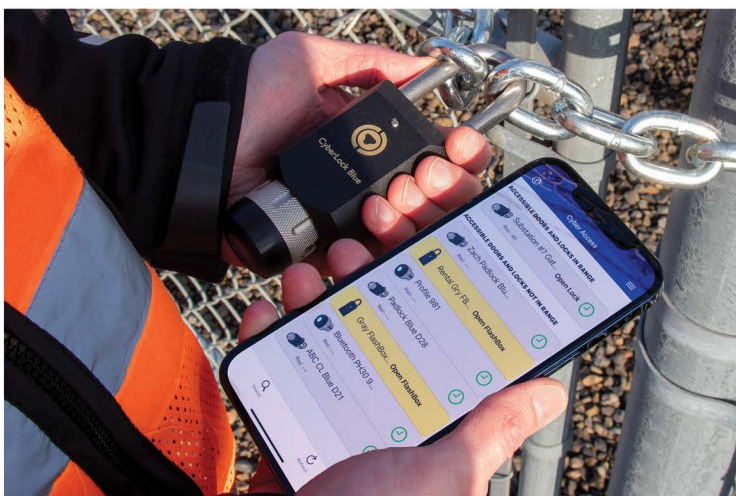
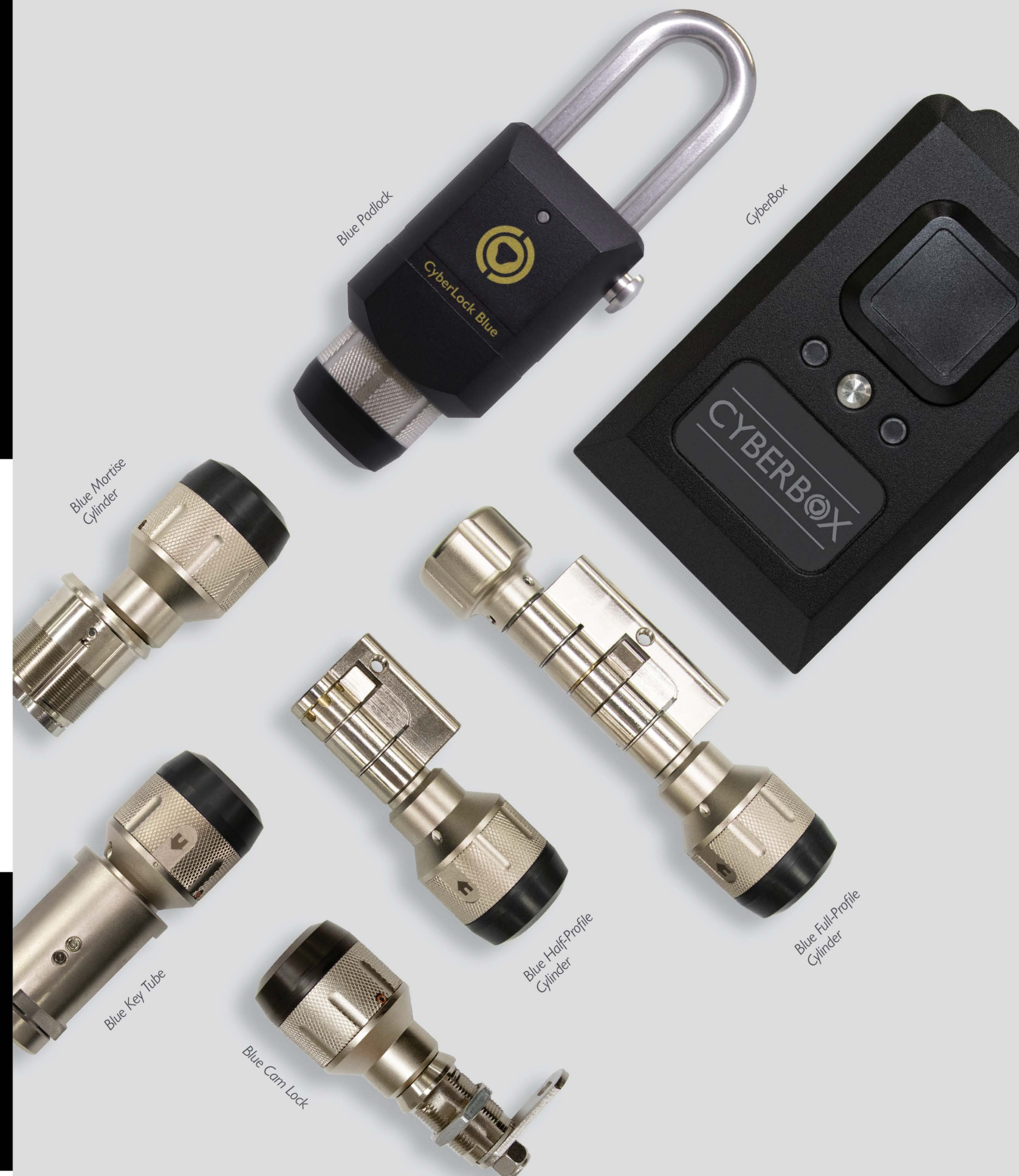
CyberLock Blue

The CyberLock Blue line of electronic locks delivers keyless access control through Bluetooth-enabled devices with the reliability and precision demanded by critical infrastructure and other high-security industries.

- Flexible access credentials via iOS or Android device, FlashLock infrared fob, or compatible smart keys such as the Blue 3, Air 2, or CyberKey Flash.
- Audit trails detailing CyberLock Blue's lock events can be viewed in CyberAudit-Web software for maximum security and accountability.

Administrators gain control and visibility with the power to easily modify scheduled access permissions from anywhere with an internet connection. By opening the Cyber Access app and holding the device near the lock, Bluetooth 5.0 technology communicates the unique ID to the lock and grants access. Access is authenticated using a 256-bit AES CMAC challenge/response.

CyberLock Blue Padlock and mobile device communicating via CyberAccess.



One System, Three Innovative Technologies

The CyberLock Flex System is a modular integrated security solution that combines the benefits of a hardwired system with the CyberLock key-centric and keyless technologies, all managed under one unified software system.



Flexible

The heart of the system is built around the Flex Controller which provides connections and power for weatherized modules that can be mixed and matched to fit a variety of access control needs.



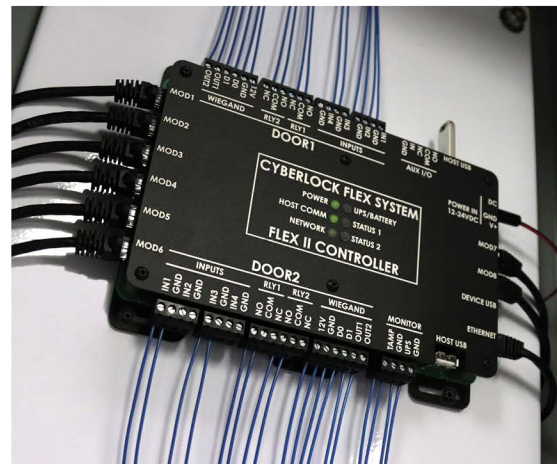
Compatible

The Flex System is managed by CyberAudit management software, the same platform behind the CyberLock access control system.



Expandable

A wide variety of other security devices such as third-party readers, request-to-exit devices, alarms, door sensors, and more, can be added to the Flex System.



Flex II FlashReader Keypad

*Below left, top to bottom:
Flex II Controller, Flex II
FlashReader Keypad*



The Flex FlashReader Keypad

The Flex II FlashReader Keypad is a multi-credential input device for controlling hardwired doors. A user can gain access by presenting credentials such as RFID cards, a cell phone using CyberLock's Flash technology, PIN, IR via fob or CyberKey, or Bluetooth 5.0 via the Cyber Access app.

CYBERLOCK IN ACTION

Security: Never
Optional, Now
Imperative



CyberKey Blue 3 (CKR-BLUE 3)
with 2" Shackle PADlock (PL-02)

A Day in the Life

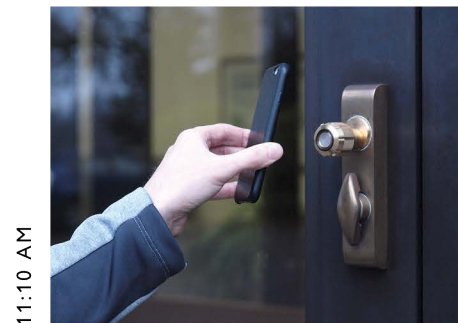
A multi-state power utility company uses Cyberlock for its dynamic security needs. CyberLock's three unique technologies help support their vast mobile workforce. CyberLock's security solutions provide access control for entry points that span any physical environment.



8:14 AM

Dynamic Tags

A contractor arrives to service high-risk equipment, but his safety certification has recently expired. CyberAudit-Web's Dynamic Tags automatically revokes his permissions. Until his safety certification is properly renewed, the contractor will be denied access to the high-risk equipment.



11:10 AM

Keyless Entry

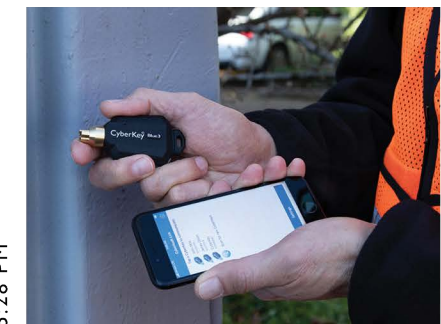
An outside vendor is called to investigate reports of a water leak at a satellite office. Staff are working remotely so management sends the vendor a text that allows them to enter within seconds, using a secure FlashLock keyless credential.



2:58 PM

Hardwired Security

Employees arrive at company headquarters to work the afternoon swing shift. Access cards issued to swing shift employees will have access to open the main entrance between 2:00 pm and 2:00 am. Attempted entry outside of those limits is denied and the access attempt is recorded.



5:28 PM

Updating Permissions

An employee headed back to the office during rush hour is rerouted to a malfunctioning substation. At headquarters, dispatch grants permissions to the employee for the substation lock. When the employee arrives, they simply sync their CyberKey Blue 3 with a mobile phone to receive the updated access rights, allowing them to address the substation malfunction quickly and efficiently.

CyberAudit-Web central server hub

Downtown power substation

Power grid control office

Versatile Access Control for Every Industry

CyberLock addresses access control challenges in countless industries.

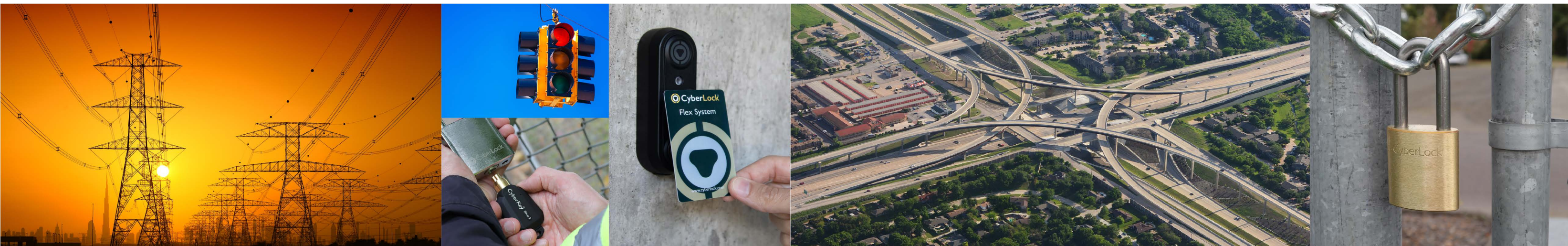


Power & Water Utilities: The Department of Homeland Security has identified power, water, and wastewater facilities as critical for maintaining the health and safety of the public. Strict security guidelines and protective measures have been implemented to safeguard these important systems. Mechanical locks and hardwired access control systems have inherent installation challenges and security limitations that make these solutions ill-equipped to meet the demanding needs of power and water facilities. In contrast, CyberLock electronic locks and keys combine the benefits of both systems, providing an ideal solution for the facilities that support our energy and water sectors.

Airports: CyberLock helps airport operators address the many challenges posed by their immense security perimeters and strict TSA regulations. CyberLock's versatile electronic cylinders offer precise, scheduled control over each and every access point, enhancing airport security and improving accountability throughout. Detailed audit reports generated via CyberAudit-Web show a time-stamped access record for each location, helping airports quickly recognize potential security issues and take preventative action. By combining hardwired access control with the versatility of a key-centric system, CyberLock provides benefits that no other system can match.

Traffic: Regional and local transportation departments struggle to properly secure traffic cabinets and road communication equipment. Many of the leading problems in transportation security are derived from a commonly used security element, the #2 mechanical key. CyberLock offers electronic cylinders specifically designed to retrofit into traffic cabinet hardware, allowing transportation departments to upgrade existing cabinets with an easy, affordable access control solution. CyberLock helps reduce key-control concerns and improve accountability, without interrupting day to day operations.

Facilities: Across our important industries—whether it's healthcare, worship, education, or the commercial sector—facilities large and small face significant security challenges that can only be addressed with a versatile approach. CyberLock combines the best of hardwired, cable-free, and keyless access control, all under one software platform. CyberLock allows facilities to schedule access permissions, track keys, and maintain precise control over any access point, from exterior gates to server racks. Maintain hardwired doors at high-traffic entry points, control remote sites with rugged, outdoor electronic padlocks, and grant temporary access to a vendor or contractor simply by sending a text or email. With three access control technologies to select from, facilities can customize a CyberLock solution to fit their specific needs.



Circuit boards engineered and
manufactured in Corvallis,
Oregon

ENGINEERED VERSATILITY

It Starts with Listening

We believe the key to solving access control problems is collaboration—between our customers and our innovation specialists. It involves listening, observing and analyzing—turning the full force of our experienced team to your challenge. Tell us about your toughest access control problems. Our team is ready to listen and create a solution for you.



Custom Lock Mockup

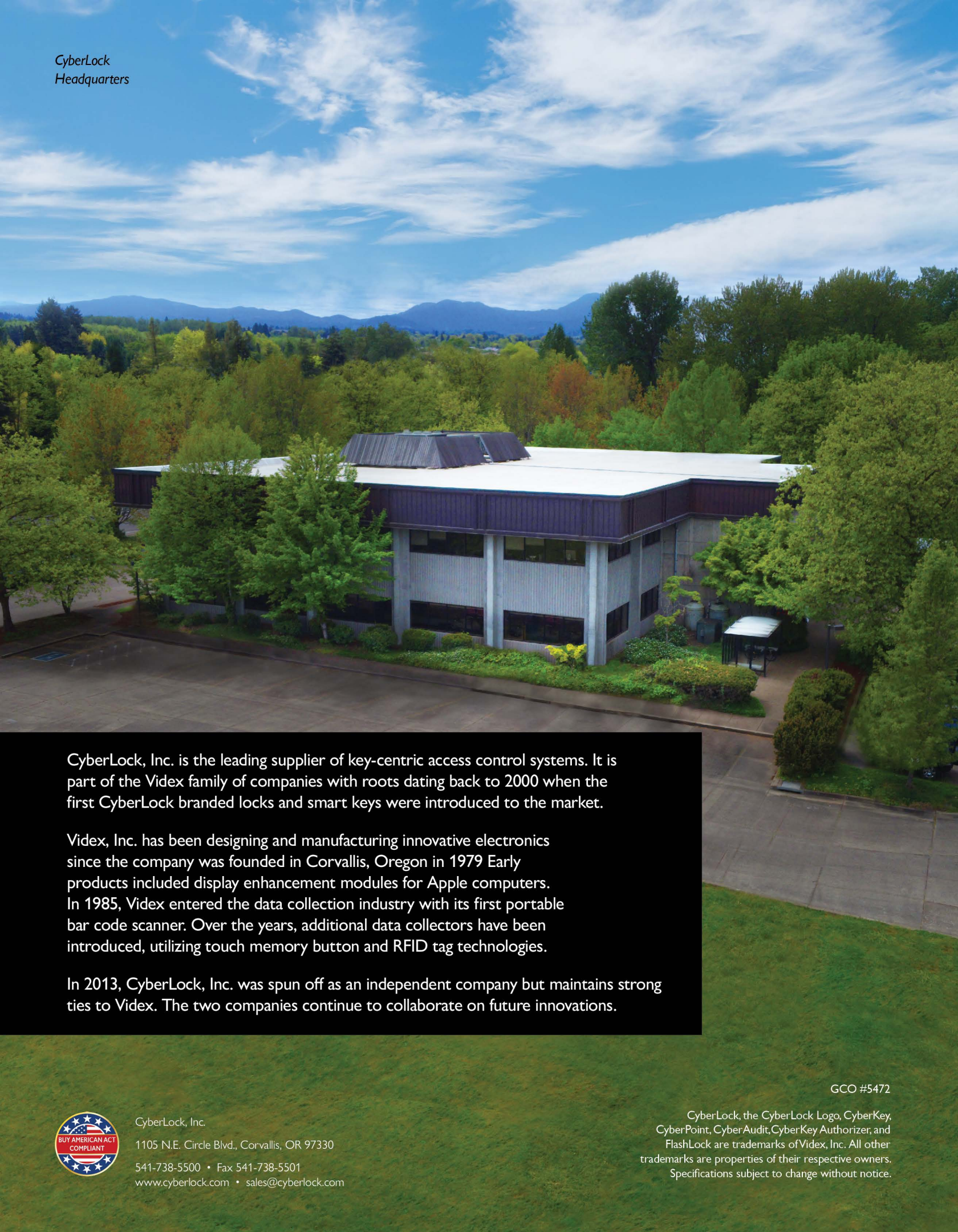
Each CyberLock product is made at our headquarters in Corvallis, Oregon. This precise control over design and manufacturing helps our talented team develop custom products to fit the needs and demands of any client. No design is too challenging.

CyberLock prides itself on listening to customer requests and creating user-friendly hardware and software products.

CyberLock is a women-owned business built on innovation. With roots dating back to 1979, our 40+ years in the electronics industry provides a firm foundation for future innovations.

Left to right:
3D printing prototype CyberKey,
Developing prototype CyberLock
cylinder part, Potting CyberKey
Vault circuit board.





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 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.

GCO #5472



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