



CYBERKEY BLUE 4: KEY-CENTRIC CONVENIENCE MEETS REAL-TIME SECURITY



ENHANCING SMART KEY CAPABILITIES

Making Real-Time Access Control Attainable for All

CyberKey Blue 4 is an industrial-grade, Bluetooth-enabled CyberKey smart key that supports real-time access control at access points that do not have power cables or batteries. This white paper explores how CyberKey Blue 4 can deliver the benefits of real-time access control at a fraction of the installed cost for a comparable hardwired system.

Physical Security: A Late Adopter of Technological Advancements

There are very few technologies we rely on that are older than mechanical locks and keys. Indeed, the world's first mechanical lock is believed to be over 4,000 years old, but even the still ubiquitous combination lock has been in use for nearly 170 years. Despite our incredible technological advancements, many companies and government agencies still use mechanical systems to secure important assets.

Organizations that do make the switch, motivated by some combination of rekeying costs, key management inefficiencies, and security gaps, often look to hardwired access control. And though card readers make fantastic solutions for high-traffic entrances and interior doors, the immense investment required to run cable to every access point in a facility is often not feasible.

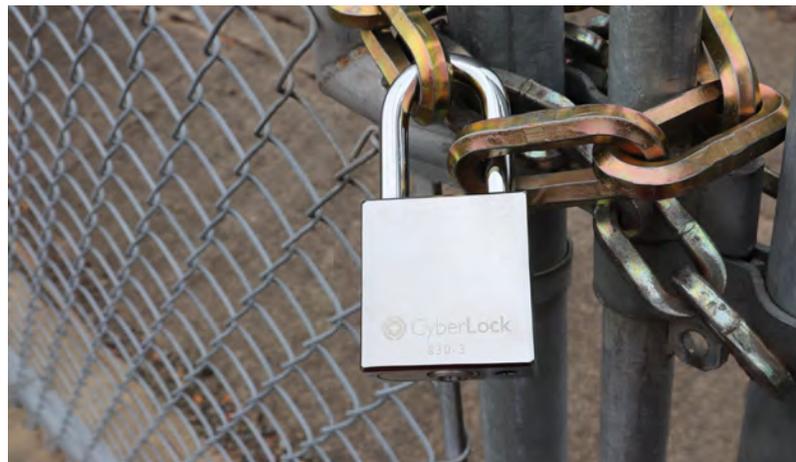
Key-Centric Systems Accelerate Access Control Modernization

For organizations that need to secure more than standard office doors, the 450+ electronic lock designs in CyberLock's key-centric system are capable of extending scheduled, personalized access control to virtually every access point and enclosure. The battery-free locks of a key-centric system are ideal solutions for remote sites and access points that are not

easily wired for network and power. Because the locks do not require a power or network connection, key-centric systems were traditionally limited by the absence of real-time feedback.

Today, however, CyberLock's innovative solutions blur the line between passive, key-centric locks and real-time, hardwired access control. CyberLock's industry-leading selection of CyberKey smart keys include Bluetooth-enabled keys that support real-time feedback regarding user activity, denied access alerts, schedule changes, expirations, and more. These powerful devices, roughly the size of a vehicle key fob, deliver a wealth of features that enhance productivity and accountability for businesses of all sizes.

With the release of CyberKey Blue 4, CyberLock's most advanced wireless key to date, real-time access control can effectively be deployed in minutes, at any door, gate,



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or enclosure within cellular network coverage. The *Always Connected* mode of the Blue 4 establishes a persistent Bluetooth connection with the key-holder's mobile device, continuously pulling the latest access permissions and uploading time-stamped access logs that document which locks have been opened. The introduction of Bluetooth 5.2 brings improved data transfer speeds, range, connection strength, and battery efficiency to the Blue 4, meaning Always Connected delivers real-time control to an even wider range of applications.

CyberKey Blue 4 Reduces Operational Costs Without Compromising Security

For organizations with distributed resources, a common occurrence in critical infrastructure sectors, it becomes increasingly difficult to maintain rigorous security practices without disrupting productivity. Alongside scheduling and issuing work orders, access control plays an oversized role in optimizing the efficiency of employees, contractors, and outside vendors.

CyberKey Blue 4 syncs with your mobile device in the field, minimizing the need for employees and contractors to return to the office between work orders. In fact, with an integrated USB-C charging and communication port, the Blue 4 can be issued to personnel that rarely, if ever, return to a centralized site. Deployed in the field indefinitely, the Blue 4 facilitates fully auditable access control with nothing more than the user's mobile device and a universal charging cable.

Blue 4 Leverages CyberAudit-Web Automation to Reduce Administrative Burdens

CyberKey Blue 4 is an exceptionally powerful tool for controlling access. Through the CyberAudit-Web management software, a key-holder's access permissions can be personalized with incredible accuracy. Schedules can be defined for each individual lock, or for groups of locks, allowing administrators to limit user access to the specific resources necessary to complete a work order. For large organizations, access permissions can even be updated automatically based on the organization's unique security requirements.

Using the Dynamic Tags software module, CyberLock administrators can create one or more 'tags' that define additional criteria for granting access. For example, a contractor's certification to operate in high-voltage areas can determine whether they receive access to a perimeter gate padlock. CyberAudit-Web evaluates the tags periodically,



automatically adjusting access permissions based on whether or not tag criteria is satisfied. For a mobile workforce using CyberKey Blue 4 in Always Connected mode, the permission changes initiated by Dynamic Tags are pushed to the keys, ensuring that the key-holder's access permissions automatically reinforce the current risk management protocols.

CyberLock Products are Built to Last

Advanced security needs call for proven solutions. That is why all CyberLock products are designed and manufactured in the USA with a focus on quality, durability, and innovation. CyberKey Blue 4 was developed to expand CyberLock's Bluetooth key technology into industrial environments, where exposure to harsh conditions is inevitable. Its durable design mitigates moisture and contaminants that could impact the connection between key and lock, and its strip-resistant key tip retention handles the roughest use cases. Impact-resistant, multicolor LED lights provide dependable user feedback while an integrated cover shields the USB-C port from foreign materials. The Blue 4 pairs its robust construction with the versatility to open key-centric, keyless, and hardwired access points, making it a truly reliable workhorse for every CyberLock deployment.

CyberLock Offers Unparalleled Access Control Versatility

CyberLock offers a wide range of innovative access control products, mobile applications, and software features that are intentionally designed for a flexible workforce. Whether your organization needs to issue work orders on the fly, deploy remote contractors, or facilitate site access by outside vendors, CyberKey smart keys help customers maintain accountability without sacrificing productivity or security. CyberKey Blue 4 once again raises the standard for electronic keys, with a rugged design and powerful set of features you can depend on in any application.