Software Enhancement Modules (SEMs) unlock advanced features within CyberAudit® software that provide specific functionality. Each SEM can be purchased individually, enabling CyberAudit customers to pay for only the features they need. Available SEMs include:

Maps and Location Graphics (CAW-M01)

The Maps and Location Graphics module allows you to manage and visualize your CyberAudit-Web data with Google Maps. It also opens a visual interface tool that allows CyberLocks and Communicators to be graphically "placed" on drawings, pictures, or maps (JPEG or PNG). In particular, this module helps large and geographically spread-out CyberLock deployments improve tracking and locating of locks and communicators. Geographic coordinates enable exporting data to many GIS systems to create CyberLock system layers.
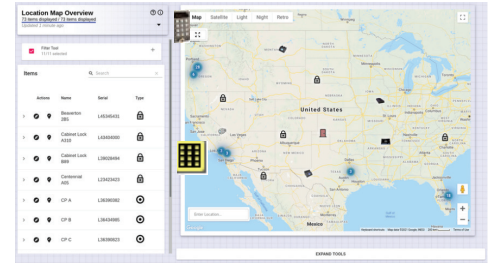
Door Support (CAW-M02)

The Door Support module enables using hardwired Doors with a CyberAudit-Web system. It is also required to use a Flex System Door & I/O hardware module. In addition to managing individual access rights to each door, Request-to-Exit (RTE) events are recorded, doors can be set to automatically unlock and relock at specified times, door sensors are monitored, and alarms can be triggered if a door is forced or left open after a specified amount of time.
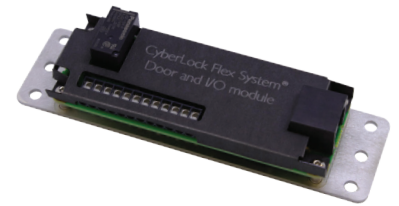
Advanced Security Features (CAW-M03)

The Advanced Security Features module includes these security features: An option that makes the first key of a multikey operation the sole key able to open a CyberLock within an eight-second window (this affects Generation 1 CyberKeys only because Generation 2 CyberKeys already behave this way). Temporary Activation which enables activating an expired CyberKey for a selectable amount of time (or five minutes for Generation 1 CyberKeys) by touching a CyberLock or CyberPoint on a selected list. An option to limit Temporary Activation to an 8-second window instead of five minutes for Generation 1 CyberKeys. Enables the use of (TOTP) Two-Factor Authentication for a higher level of login security for administrators.
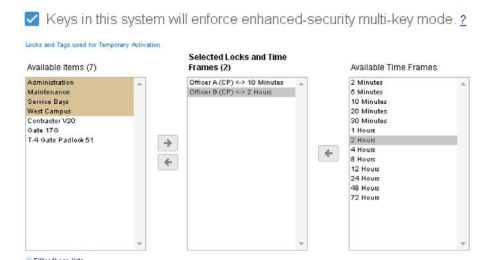
Lock List Expansion (CAW-M04)

The Lock List Expansion module enables creating larger lock lists for Generation 2 CyberKeys which can store 12,000 lock list items. In addition, a lock list filtering feature enables limiting the number of locks loaded into CyberKeys on a per communicator basis. This is needed when Generation 1 CyberKeys require individual permission to more than the maximum 3,300 locks they can store. With lock list filtering, keys and missions may be granted access to an overall unlimited number of individual CyberLocks. Lock list filtering is supported by Gen 1 & Gen II communicators such as Web Authorizers, Portable Links, Stations, and Vaults, including the Flex System.
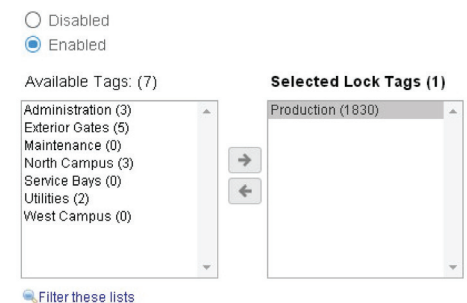
Active Directory / Azure AD (CAW-M05)

The Active Directory/Azure AD synchronization module enables synchronizing selected security groups and users from Microsoft Active Directory® or Azure® AD to people tags and people in a CyberAudit-Web system. The users and groups become 'linked' records.

CyberAudit-Web synchronizes with its designated Active Directory daily or on-demand to add, update, or remove groups and users. A set of user attributes may be mapped to fields in People records.

'Linked' people may be designated as system administrators. Their login password is verified against their Active Directory or Azure AD password.

Advanced Door Features (CAW-M06)

The Advanced Door Features module adds these features to use with doors:

- A no-PIN-required schedule - During this time a PIN will not be required to gain access to the door. This is useful to facilitate more convenient access during normal business hours while maintaining PIN authentication outside of that time.

- Keep unlocked calendar entries - Allows scheduling times in the future where a door will be held unlocked. CyberAudit-Web adds the time frame of the calendar entry to the door's keep unlocked schedule in the week of the calendar entry. This feature is useful to managers of facilities that schedule events on a calendar basis and want the door to be held unlocked for those events.

- A door monitor window - Shows door activities in a scrolling window as they occur.

- Man trap pairs - Enables pairing two doors on a Flex II System, where if one is open, the other may not be unlocked.

Rolling Access Codes (CAW-M08)

The Rolling Access Codes module automates the process of changing lock access codes for some or all CyberLocks in a system. Access codes may be configured to change (roll) on a periodic basis. A "grace period" may be designated during which the lock will continue to honor the old access codes to complete the change for all affected locks.

FlashLocks (CAW-M09)

The FlashLocks module adds complete support for adding FlashLocks and fobs to a CyberLock system. To grant access, FlashLocks may be paired with a schedule in the access matrix. Fobs may be assigned to people and given an expiration rule. Flash access may be distributed by email or text message*.
Requires subscription to 3rd party text message service for mobile numbers outside of Canada and USA.

Dynamic Tags (CAW-M10)

The Dynamic Tags module enables granting access to CyberLocks based upon the values of user-defined fields in People, Lock, People Tag, and Lock Tag records. Unlike the traditional static tags, locks and People are automatically added to and removed from Dynamic Tags based upon whether their user-defined field values match the criteria of the tag. Dynamic Tags can automatically grant or revoke access when the attributes of a person or lock change. For example, if access to a lock should only be permitted when a person's safety qualification has not expired, a person's access to the lock can be automatically revoked on the day the license expires.
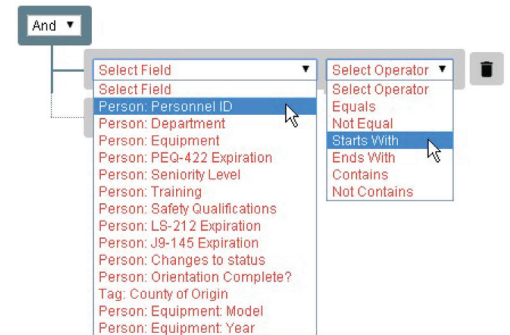
Software Enhancement Modules (SEMs) are added to the CyberAudit-Web Enterprise license and are enabled through the registration activation code. A SEM may be added to a license at any time. Then the activation code must be reactivated to turn on the feature(s). On a hosting system, the modules must be enabled for any account which subscribes to the feature.

For more information about the SEM feature packs, please contact a CyberLock sales team member at **541-738-5500** or **sales@cyberlock.com.**