The Electronic Key Management System with Flexibility

KMaaS
Key Management as a Service

EXPANDABLE ELECTRONIC KEY CONTROL

The KeyWatcher system is a modular, scalable integrated key control and management solution that is designed to
a) prevent access to sets of keys and
b) provide an audit trail on the movement of keys sets.
You decide who has permission to remove each key. You will always know who removed any key and when it was taken.

Using smart engineering, the KeyWatcher is modular in design, so you can configure the exact components you need like key slots and lockers, with the ability to change modules where and when you need to. KeyWatcher is scalable too, so it can grow as your needs grow.

THE PRODUCT OF INTELLIGENT ENGINEERING

Built into a rugged steel cabinet with highly illuminated key slots, the simple design makes it easier to locate keys and maximize wall space. There are two models available. The Illuminated model provides a traditional metal KeyPad and 2-line LCD for access and the newer touch screen version KeyWatcher offers a 7-inch touch screen where the control console is located in a position so as to be accessible to the handicapped.

Each user is provided with a unique four-six User ID and four-digit PIN. Alternatively, the cabinet may host a card reader where users present their staff ID card (along with PIN – optional) as an identifier or for further security the use of a biometric fingerprint reader on the touch screen version KeyWatcher may be used for true identification.

- Dashboard
- Multi Platform
- User Management
- Contractor Onboarding
- Automated Expiry
- Scheduled Reporting
- Removal Notifications
- Return Notifications
- Unlimited Web Clients
- Access Control
- User Approval
- SMS Notifications
- Escalated Notifications
- Proactive Maintenance
- Mobile Support
- Two Factor Authentication
- Reservations
- Key Management
- Profile Management

THE KMAAS SOLUTION

Whilst the KeyWatcher hardware provides the end user with access to certain keys and maintains a record of the movement of these keys the solution is managed using software. There are two commercial models for how the software may be deployed.

1. **Hosted Solutions:** AST may host the entire solution where you are provided with access to a secure online web portal. The KeyWatcher is equipped with a wireless 4G modem and communicates to a secure AWS using a VPN service.
2. **Hybrid Version:** Resides within your environment and requires outbound only access to the KMaaS proxy server and provides you with all the key benefits and functionality of the hosted solution
3. **On-Premises Model:** Is only available under certain conditions & circumstances and upon request.

3RD PARTY INTEGRATION

The KMaaS (Key Management as a Service) solution makes it possible for you to implement connectivity across systems on any level you choose. For example, by integrating KMaaS with your access control system, your access control system will know which users have keys and which do not. A user who has taken a specific key from KeyWatcher can be denied egress from the facility until the key is returned – and selected management can be alerted via email and / or SMS if a key has not been returned on time.

Another example may be to integrate the KeyWatcher with your Contractor Management kiosk which would typically form part of a larger solution where keys are issued through a platform that your end users already use to garner access to site. There is also integration available to fleet management systems where booking a vehicle for a specific date/time forms part of your staff's daily routine.

ACCESSIBILITY

KMaaS offers a web-based solution to manage the KeyWatcher hardware and may be accessed via a mobile device allowing you to administer access and retrieve alerts whilst on the move.

MONITORING & ESCALATION

The KMaaS platform monitors the health of each KeyWatcher and provides a user-friendly dashboard on the status of each system and alerts of system failures and alerts via email and / or SMS which are Escalatable based upon role and responsibility

REPORTING

AI audit trail information is made available
Through standard type reports as .CSV or PDF files, which may also be scheduled and distributed via email based upon role and responsibility

DUAL PLATFORM CAPABILITIES

No need to upgrade the KeyWatcher Illuminated hardware to the touch screen version to get the benefits of the touch screen version system. KMaaS manages both versions of the hard- ware and with the same database
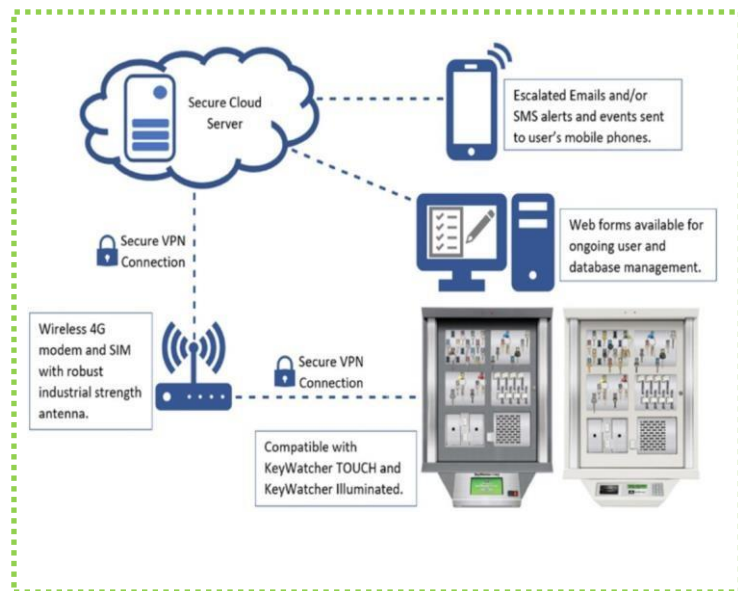
ONLINE BOOKING FORM

Online booking reservations for specific keys at a specific time/date is available through the use of a public or private web form. Ideal for managing access to a fleet of vehicle's or ensuring a specific set of keys is available at a specific time.

GENERAL WEB FORM

Access to keys from the KeyWatcher may be assigned to end users through the secure online web portal or through private or public published web forms or through a data export / import.

DASHBOARD

The workstation and mobile friendly dashboard provide a quick glimpse on the status of each KeyWatcher and a quick view on recent events, i.e.: key removals and key returns or attempted removals or alarms. Shortcuts also allow for quick navigation to key sections of the program.

$ OTHER ASSOCIATED COSTS

The KMaaS / KeyWatcher solution is designed to provide you with a cost-effective solution without the infrastructure or support required to introduce a system like the KeyWatcher product into your environment. The hosted solution simply requires a double GPO for the system to operate.

SOFTWARE VERSION	DESCRIPTION	INCLUSIONS			
KeyMaaS **PROFESSIONAL**	Access to dashboard plus database management tool including reporting, alerts and escalations	Dashboards: Included	Management: Included		
		Alerting: Included	Reservations: Not Included		
		Reporting: Included	Integrations: Not Included		

SOFTWARE VERSION	DESCRIPTION	INCLUSIONS			
KeyMaaS **ENTERPRISE**	Provides all of what Professional offers plus access to the Reservations feature and 3rd Party integration modules	Dashboards: Included	Management: Included		
		Alerting: Included	Reservations: Included		
		Reporting: Included	Integrations: Included		

Mini-8 Key Electronic Key Location KeyWatcher

- Contains 8 SmartKey locations.
- Smaller compact system fits almost anywhere.
- Perfect for situations where there are multiple locations within a building or campus that need only a limited number of keys managed.

1 Module Electronic Key Location KeyWatcher

- Single module system accepts all standard KeyWatcher modules.
- 6, 8 & 16 location SmartKey modules, Single and Dual Locker modules.
- Compact system fits almost anywhere.
- Comes standard with the bottom mounted control box but can be used with a remotely mounted keypad and display box.

2 Module Electronic Key Location KeyWatcher

- Two module system accepts all standard KeyWatcher modules.
- System contains up to 32 SmartKey locations per cabinet and supports additional cabinets.
- 6, 8 & 16 location SmartKey modules, Single and Dual Locker modules.
- Comes standard with the bottom mounted control box but can be used with a remotely mounted keypad and display box.

3 Module Electronic Key Location KeyWatcher

- Three module system accepts all standard KeyWatcher modules.
- System contains up to 48 SmartKey locations per cabinet and supports additional cabinets.
- 6, 8 & 16 location SmartKey modules, Single and Dual Locker modules.
- Expandable – if future growth demands the need for more keys, modules or add-on cabinets can be added to increase the capacity of the system.
- Comes standard with the bottom mounted control box but can be used with a remotely mounted keypad and display box.

6 Module Electronic Key Location KeyWatcher

- Six module system accepts all standard KeyWatcher modules.
- System contains up to 96 SmartKey locations per cabinet and supports additional cabinets.
- 6, 8 & 16 location SmartKey modules, Single and Dual Locker modules.
- Expandable – if future growth demands the need for more keys, modules or add-on cabinets can be added to increase the capacity of the system.
- Comes standard with the bottom mounted control box but can be used with a remotely mounted keypad and display box.
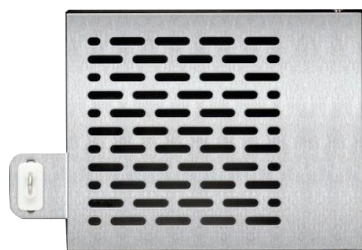
6 Key Module

8 Key Module

16 Key Module

Single Locker Module

Dual Locker Module

MODULAR, SCALABLE DESIGN LETS YOU CUSTOMIZE YOUR KEYWATCHER SYSTEM

From a single key management system to multiple cabinets holding hundreds of keys, it is easy to expand KeyWatcher as your needs grow. Each additional unit can be controlled by a single console and monitored by the advanced KMaaS software platform.

KeyWatcher can hold keys of almost any size, including Folger Adam keys. Plus, the system can incorporate additional lockers for valuable items. Available modules include 16-key, 8-key, 6-key and a variety of locker sizes. These key modules can be customized in a wide range of cabinet sizes.

KEY CONTROL DATA FROM SMART KEYS

Keys are secured to a SmartKey which features an identification microchip and 1/8" stainless steel locking ring for additional security and functionality. When a SmartKey is inserted into a KeyWatcher key slot, identification chip data is stored and then retrieved after a key is properly accessed. Users can only access microchip keys from the cabinets with a proper user code, as designated by their security managers.

SmartKeys are available in several different colors (black, brown, white, grey, red, yellow, blue, and green). This allows for keys to be organized by color, which can be useful when utilizing several KeyWatchers in a facility or designating one group of keys from another within the system.

SmartKeys work great when used with the various secure KeyRings that are available upon request. Using secure KeyRings allows for a SmartKey to securely hold larger rings of keys, or larger keys like Folger Adam keys

SmartKeys help make KeyWatcher an easy-to-use key control system. The Random Key Return feature allows users to return keys to any open location in the cabinet and the system will remember the new location for that key. This avoids confusion or misplacement error – a real time saver and convenience to each user. There is also an option available for users who prefer keys to be returned to their original location.