

# Key Management System - The IQ series

"Do you know who took what keys and when?"



## Why key management is needed?

- Keys should be stored in a safe place
- Keys should be used by right person
- Control keys and users
- Tracking key usages
- Key inventory
- Have always up-to-date information about keys

## What an intelligent key management system can do for you?

- You know exactly where your keys are
- You know who is using the key
- Keep track of usages
- Define rights for users
- Add/remove users, cards and keys
- Users will access the keys only with permission
- View reports
- Safe storage
- Manage keys in several buildings from a central office

## Security

Keys are secured by locks and RFID tags. Access to keys with PIN code and/or card.

## Advantages

- Real-time transactions
- Control access to cabinets and to all keys and boxes
- Convenient accessibility
- Scalability - Select the number of key positions you desire and extend it upon demand.
- Combine key positions and value boxes within one system
- Key cabinet's capacity can grow together with your needs
- It can cooperate with other systems.
- Accountability and responsibility – reporting user and key activity.
- Software on the cabinet's screen shows what keys are in and who has actually the key if it is taken



## Solution

- Managed access control system for keys and valuables
- Illuminated key positions make finding keys very easy
- Access via a user-friendly touch PIN-pad and card reader
- Return any key to any open key-place and the system will remember the new position
- Provides access records and reports
- Helps reducing cost – less lost keys lead to lower expenses and higher security
- Improves efficiency
- Access is fully monitorable

## Security

- You always know who removed the key and when it was taken or returned
- Define access rights to users individually
- Monitor how often it was accessed and by whom
- Invoke alerts in case of missing key or overdue keys
- Secure storage in steel cabinets or safes

## Manage valuables

- Gain access not only to keys but also to different assets
- You can put several valuables into the boxes: tools, mobile phones, ID cards, documents, etc.
- Use your card and code to access both keys and items

## Networked cabinets

- Small Network: connect up to 4 cabinets into network without the need of Cabinet Server – each cabinet will know about all users and keys
- Large Network: Connect several cabinets together with an IQ Server to your ERP
- Manage centrally and remotely your cabinets (users, cards, rights, access levels, etc.)
- Use Middleware Server to interface key cabinets with any legacy system
- Scalable expansion and key capacity
- Local and central databases



## LOXTORE AB

Forradsvagen 10 B, S-141 46 Huddinge, Sweden  
Phone: +46 8 5592 5539, +46 70 950 0040  
<http://www.loxtore.com>

Hungarian subsidiary  
Phone: +36 30 501 9055  
<http://www.loxtore.hu>



### Specifications

#### System

**Model**

IQKeySafe-40

**Cabinet Type**

Safe

**Cabinet certification**

SS3492 (Swedish Standard)

#### Security

**Card reader**

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

**Fingerprint reader (Optional)**

USB / RS232

**Key holder**

RFID Based

#### Operation

**Number of keys to be able to pick up within one login session**

10 keys

**Remote management**

WEB Interface Available

**Network Mode**

- Cabinets synchronize data with each other
- Local and Central database

**Communication with External Systems**

- Interface is available for ERP integration
- Based on XML and WEB service

**Emergency open**

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input

**Min. number of keys**

Min. 5 keys in the cabinet

**Max. number of keys**

Max. 40 keys in the cabinet

**Keymodule extensions**

5-key modules

**Computer module**

Industrial PC, Intel Atom 1.6 GHz, Built-in HDD/SSD and CF Card, 1GB RAM, 8.9" Touch-screen, 2 Ethernet interface, RS232, USB, Windows XP Embedded.

#### Mechanical & Environmental data

**Physical dimensions (W x H x D)**

420mm x 750mm x 200mm

**Power Requirement**

230V 50Hz AC

**Internal Battery**

7Ah, up to 1.5 hour operation

**Consumption**

60W

**Operating Temperature**

0 - 40°C

**Color of the Cabinet**

RAL 9002



### Specifications

#### Operation

**Number of keys to be able to pick up within one login session**

10 keys

#### Remote management

WEB Interface Available

#### Network Mode

- Cabinets synchronize data with each other
- Local and Central database

#### Communication with External Systems

- Interface is available for ERP integration
- Based on XML and WEB service

#### Emergency open

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input

#### Security

##### Card reader

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

##### Fingerprint reader (Optional)

USB / RS232

##### Key holder

RFID Based

#### Mechanical & Environmental data

##### Physical dimensions (W x H x D)

550mm x 1500mm x 400mm

##### Power Requirement

230V 50Hz AC

##### Internal Battery

7Ah, up to 1.5 hour operation

##### Consumption

60W

##### Operating Temperature

0 - 40°C

##### Color of the Cabinet

RAL 9002

#### System

**Model** IQKeySafe-160

**Cabinet Type** Safe

##### Cabinet certification

SS3492 (Swedish Standard)

##### Min. number of keys

- Min. 5 keys in the door
- Min. 10 keys in the cabinet

##### Max. number of keys

- Max. 50 keys in the door
- Max. 110 keys in the cabinet

##### Keymodule extensions

5-key or 10-key modules

##### Computer module

Industrial PC, Intel Atom 1.6 GHz  
Built-in HDD/SSD and CF Card  
1GB RAM, 8.9" Touch-screen  
2 Ethernet interface, RS232, USB  
Windows XP Embedded



### Specifications

#### Operation

**Number of keys to be able to pick up within one login session**

10 keys

#### Remote management

WEB Interface Available

#### Network Mode

- Cabinets synchronize data with each other
- Local and Central database

#### Communication with External Systems

- Interface is available for ERP integration
- Based on XML and WEB service

#### Emergency open

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input

#### Security

##### Card reader

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

##### Fingerprint reader (Optional)

USB / RS232

##### Key holder

RFID Based

#### Mechanical & Environmental data

##### Physical dimensions (W x H x D)

700mm x 1500mm x 600mm

##### Power Requirement

230V 50Hz AC

##### Internal Battery

7Ah, up to 1.5 hour operation

##### Consumption

60W

##### Operating Temperature

0 - 40°C

##### Color of the Cabinet

RAL 9002

#### System

**Model** IQKeySafe-400

**Cabinet Type** Safe

##### Cabinet certification

SS3492 (Swedish Standard)

##### Min. number of keys

- Min. 10 keys in the door
- Min. 30 keys in the cabinet

##### Max. number of keys

- Max. 70 keys in the door
- Max. 330 keys in the cabinet

##### Keymodule extensions

10-key modules

##### Computer module

Industrial PC, Intel Atom 1.6 GHz,  
Built-in HDD/SSD and CF Card,  
1GB RAM, 8.9" Touch-screen,  
2 Ethernet interface, RS232, USB,  
Windows XP Embedded.



### Specifications

#### System

**Model**

IQWallCabinet-50

**Cabinet Type**

Wall Cabinet

**Min. number of keys**

Min. 10 keys in the cabinet

**Max. number of keys**

Max. 50 keys in the cabinet

**Keymodule extensions**

10-key modules

#### Security

**Card reader**

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

**Fingerprint reader (Optional)**

USB / RS232

**Key holder**

RFID Based

#### Operation

**Number of keys to be able to pick up within one login session**

10 keys

**Remote management**

WEB Interface Available

**Network Mode**

- Cabinets synchronize data with each other
- Local and Central database

**Communication with External Systems**

- Interface is available for ERP integration
- Based on XML and WEB service

**Emergency open**

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input

**Doors**

- Wall cabinet, metal door (right sided, left sided, both)
- Wall cabinet, transparent plastic door (right sided, left sided, both)

**Location of computer module**

- Left to key modules block
- Right to key modules block

**Computer module**

Industrial PC, Intel Atom 1.6 GHz, Built-in HDD/SSD and CF Card, 1GB RAM, 8.9" Touch-screen, 2 Ethernet interface, RS232, USB, Windows XP Embedded.

#### Mechanical & Environmental data

**Physical dimensions (W x H x D)**

780mm x 550mm x 110mm

**Power Requirement**

230V 50Hz AC

**Internal Battery**

7Ah, up to 1.5 hour operation

**Consumption**

60W

**Operating Temperature**

0 - 40°C

**Color of the Cabinet**

- RAL 9002
- on demand (wall mounted)



### Specifications

#### System

**Model** IQWallCabinet-80

**Cabinet Type** Wall Cabinet

**Min. number of keys**  
Min. 10 keys in the cabinet

**Max. number of keys**  
Max. 80 keys in the cabinet

**Keymodule extensions**  
10-key modules

**Doors**

- Wall cabinet, metal door (right sided, left sided, both)
- Wall cabinet, transparent plastic door (right sided, left sided, both)

**Location of computer module**

- Left to key modules block
- Right to key modules block

**Computer module**  
Industrial PC, Intel Atom 1.6 GHz, Built-in HDD/SSD and CF Card, 1GB RAM, 8.9" Touch-screen, 2 Ethernet interface, RS232, USB, Windows XP Embedded.

#### Mechanical & Environmental data

**Physical dimensions (W x H x D)**  
780mm x 875mm x 110mm

**Power Requirement**  
230V 50Hz AC

**Internal Battery**  
7Ah, up to 1.5 hour operation

**Consumption**  
60W

**Operating Temperature**  
0 - 40°C

**Color of the Cabinet**

- RAL 9002
- on demand (wall mounted)

#### Security

**Card reader**

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

**Fingerprint reader (Optional)**  
USB / RS232

**Key holder**  
RFID Based

#### Operation

**Number of keys to be able to pick up within one login session**  
10 keys

**Remote management**  
WEB Interface Available

**Network Mode**

- Cabinets synchronize data with each other
- Local and Central database

**Communication with External Systems**

- Interface is available for ERP integration
- Based on XML and WEB service

**Emergency open**

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input



### Specifications

#### System

**Model**

IQWallCabinet-160

**Cabinet Type**

Wall Cabinet

**Min. number of keys**

Min. 20 keys in the cabinet

**Max. number of keys**

Max. 160 keys in the cabinet

**Keymodule extensions**

10-key modules

#### Security

**Card reader**

- USB / RS232
- Mifare 13.56 MHz
- EM 125 KHz

**Fingerprint reader (Optional)**

USB / RS232

**Key holder**

RFID Based

#### Operation

**Number of keys to be able to pick up within one login session**

10 keys

**Remote management**

WEB Interface Available

**Network Mode**

- Cabinets synchronize data with each other
- Local and Central database

**Communication with External Systems**

- Interface is available for ERP integration
- Based on XML and WEB service

**Emergency open**

- Max. 10 keys in one time
- Works using emergency key and button
- Enable emergency from external input

**Doors**

- Wall cabinet, metal door (right sided, left sided, both)
- Wall cabinet, transparent plastic door (right sided, left sided, both)

**Location of computer module**

- Left to key modules block
- Right to key modules block

**Computer module**

Industrial PC, Intel Atom 1.6 GHz, Built-in HDD/SSD and CF Card, 1GB RAM, 8.9" Touch-screen, 2 Ethernet interface, RS232, USB, Windows XP Embedded.

#### Mechanical & Environmental data

**Physical dimensions (W x H x D)**

1285mm x 875mm x 110mm

**Power Requirement**

230V 50Hz AC

**Internal Battery**

7Ah, up to 1.5 hour operation

**Consumption**

60W

**Operating Temperature**

0 - 40°C

**Color of the Cabinet**

- RAL 9002
- On demand (wall mounted)