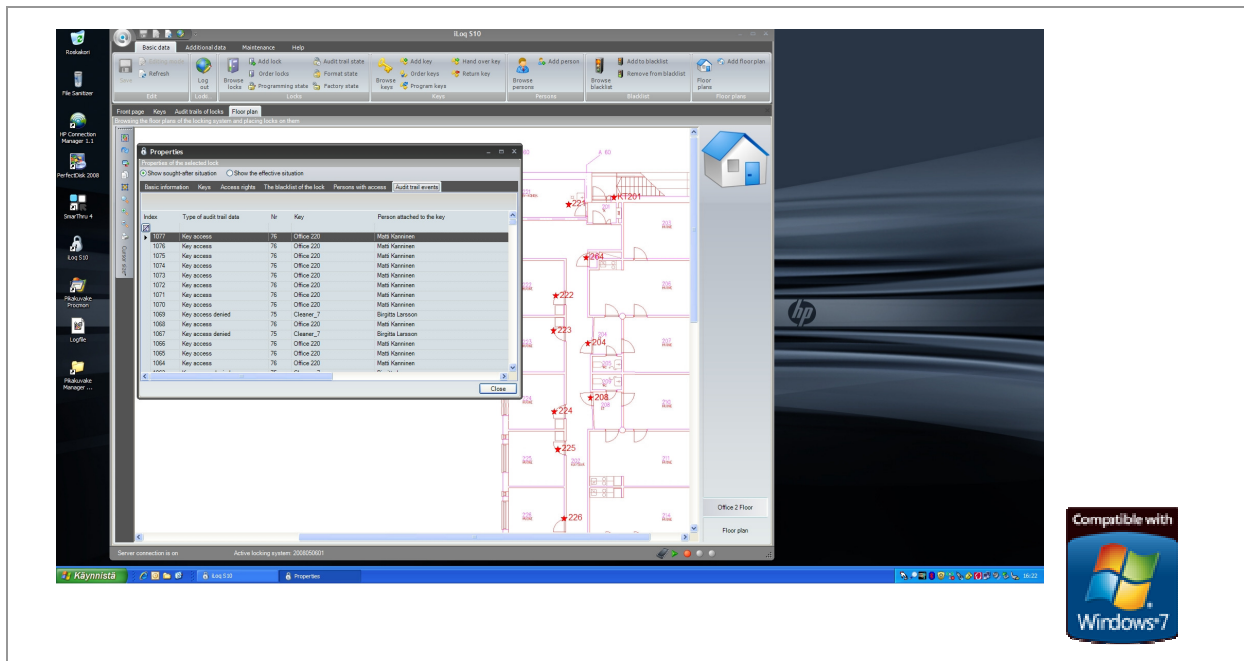# iLOQ S10 MANAGEMENT SOFTWARE

Features

The patented, award winning iLOQ S10 locking system offers advanced security and convenient access management for master-key locking environments.

Software as a Service (SaaS) operated iLOQ S10 Management Software enables advanced multi site programming, administration and management of iLOQ locks and iLOQ keys in combination with the iLOQ programming device and Microsoft Windows based PC, PDA or mobile phone.

The iLOQ S10 management system provides high security functions and processes regarding data management of end customers' locking system. The locking system encryption data is shared: The first encryption key of the locking system is solely defined by the end customer and stored only to the security token; the second encryption key is generated and stored to the locking system database. All lock and key programming operations requires the first and the second encryption keys to process programming tasks. This procedure ensures high system security. Only the end customer having the security token and login passwords to the locking system can program locks and keys of the system.

iLOQ S10 Management Software in brief

The iLOQ S10 Management Software features include:
- Convenient management of iLOQ C10 locks and iLOQ K10 keys
  - Access right definition, restriction and change
  - Time restrictions
  - Automatic key overwrite
  - Blacklisting of lost keys
  - Audit trail reports
  - Multi-site management
- 24/7 internet connection as Software as a Service (SaaS)
  - Easy installation, Microsoft.net
  - Automatic backups and updates
- User-friendly Graphical User Interface (GUI) showing lock location in floor plans
- High system security utilizing powerful data encryption methods

Technical Data of iLOQ S10 Management Software

iLOQ S10 system architecture

System architecture	Microsoft .NET server / client

Client system requirements

Client operating system	Microsoft Windows XP SP3, Vista, 7
Client Internet browser	Microsoft Windows Explorer 7, 8 or newer
Client application	Microsoft Windows .NET Framework 2.0
Client login verification	Username, Password, Security Token

iLOQ S10 management server

Server location	Fujitsu Services Oy in Helsinki, Finland *)
Server management	According to ISO27001:2005 Information security management systems - Requirements
Service availability	24hours /7 days, maximum maintenance break 6 hours
Client server communication	SLL secured web service connection (TCP port 443)

*) On request also local server implementation possible

iLOQ S10 locking system capacity

Amount of keys per locking system	Up to 32 000 keys
Amount of locks per locking system	Up to 1 000 000 locks
Amount of key owners per locking system	Unlimited
Amount of installed clients per locking system	Unlimited
Amount of administrators per locking system	Up to 1 000
Amount of administration zones per system	Up to 1 000
Lock audit trail capacity	16 000 latest event
System event log capacity	16 000 latest events
Floor plan data import format	Adobe pdf
Floor plan memory capacity per locking system	50 MB

Access right capacity

Access right groups per locking system	Up to 8 000 different access rights per locking system - Standard access right groups - "Restricted" access right groups - "Version" access right groups
Key calendar options per key	2 weekly calendars or 1 weekly calendar + key start date & time or 1 weekly calendar + key expiry date & time or key start date & time + key expiry date & time
Key capacity	15 access right groups or 13 access right groups + 1 "version" access right group or 10 access right groups + key calendar feature or 8 access right groups + 1 "version" access right group + key calendar feature
Lock capacity	128 access rights and/or blacklist items sharing same memory