S10

iLOQ – Digital Locking. No Batteries.

iloq

iLOQ S10 - Oulu Music Center

iLOQ S10 - LM Engström High School, Gothenburg

The Tirkkonen House, Tampere

107

Oulu Main Post Office (Posti)

Housing Company Haukka

Helsinki Cathedral Parish - St. John's Church

The iLOQ S10 locking solution is reliable, high quality and cost efficient whilst saving the environment. It is highly secure, yet offers, convenient and flexible management of access rights. iLOQ S10 is easy to install and totally scalable. And yes, iLOQ S10 needs no batteries and no cabling.

iLOQ lock cylinders are self-powered using the power created by the insertion motion of the key into the cylinder.

Why iLOQ S10?

Choose iLOQ S10 when you want the best locking security, flexible access right management, to save time, money and the environment as well as superior advantages in costs and logistics.

iLOQ S10 is the ideal security choice for office buildings, public spaces, housing properties and industrial sites.

Improve locking security

- Patented self-powered electromechanical lock cylinder.
- Battery free key with encrypted digital identification.
- Powerful encryption and security features.
- Easy and fast elimination of lost keys.

Remove keying restrictions

- Fully programmable locks and keys.
- Proven communication and software technologies.
- Easy to use user interface.

Save time, money and the environment

- Easy and fast installation and maintenance.
- No cables or batteries needed.
- Cost efficient operative function.
- Minimizes lost key costs.

Network module

iLOQ N001 is a network module for remote management of locks and remote programming of keys.

Furniture lock

iLOQ C10S.50 secures medical cabinets, lockers and mail boxes.

Locking management

Versatile access management:
Up to 32,000 keys, 1,000,000 locks.
Fast elimination of lost keys.
Access audit trail reporting.
Optional time-restricted keys.
Decentralized network management 24/7.

Padlock

The iLOQ H10S padlocks for securing padlocked sites.

S10

Key

The iLOQ K10S keys are battery-free digital keys that cannot be copied. All keys are mechanically identical. Access rights are stored in the key and can be changed flexibly.

Lock cylinder

iLOQ lock cylinders are self-powered using the power created by the motion of the key in the cylinder - an environment-friendly solution requiring no batteries or cabling.

Programming device

The iLOQ P10S programming device provides convenient system management and programming of iLOQ keys and locks.

Key reader

The iLOQ R10S key reading unit offers easy management of elevators, parking barriers and alarm systems operated by iLOQ keys.

iLOQ S10 – The complete locking system

The iLOQ S10 locking system offers a modern Internet-based service solution for secure and advanced administration of locks and keys. The core of the electronically keyed iLOQ S10 locking system is the unique self-powered iLOQ S10 lock cylinder powered by harvesting electricity from the insertion of the key. The system offers a complete range of lock versions.

The iLOQ S10 has been developed for sites with a need for high security combined with flexible management of access rights.

iLOQ K10S encrypted smart key

The iLOQ K10S is a battery-free electronic key fully copy-protected by SHA-1 encryption.
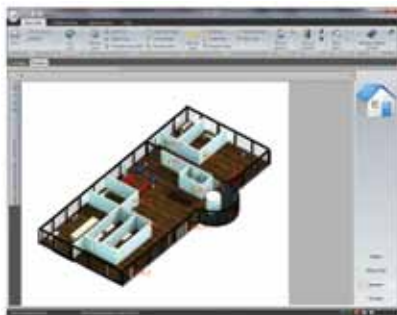
- Robust and durable - down to -40°C.
- Flexible storage and fast delivery.
- Access rights are programmed into the key.
- No need to program the locks.
- Access rights deleted upon key return.
- Key can be endlessly reused.
- Insertion of a new key can eliminate old key access rights.

iLOQ self-powered digital lock cylinder

The iLOQ lock cylinder has a completely self-powered digital key recognition and needs no batteries or cables.

- Powerfully encrypted key identification.
- Storage of approved and not approved key insertions (over 500).
- Standard size, compatible with international escutcheons and lock cases.
- Fast and simple to install.
- Mechanically identical lock cylinders.
- Functions down to -40°C.

iLOQ S10 locking management service

The iLOQ S10 locking management service is easy-to-use software for managing iLOQ locks and keys.

- Definition and limiting of access rights.
- Blacklisting lost keys.
- Audit trail reporting.
- Decentralized site management.
- Operates 24/7 over the Internet under Software as a Service (SaaS) principle.
- Easy installation.
- Secure data storage and back-up.
- Automatic software updates.
- Up-to-date information at all times.

iLOQ N001 network module

The iLOQ N001 network module enables the remote management of wired iLOQ cylinders and the remote programming of the iLOQ K10S keys.

- The network module allows wired iLOQ cylinders to be connected to the iLOQ S10 locking management system using an Ethernet network, enabling the access rights of the lock to be updated and the audit trail data to be read over the network.
- It also enables remote updating of key access rights using a key programming hotspot connected to the network module and installed, for instance, on the wall of the building.
- Calendar-based electronic lock control function.

iLOQ P10S programming device

The iLOQ programming device enables easy and fast programming of iLOQ keys and locks.

- On-line or off-line programming of locks and keys
- Audit trail fetching from locks
- iButton® DS1963 encrypted administration token ensures highest security
- USB and Bluetooth connection.

iLOQ C10S.50 Furniture lock

The iLOQ C10S.50 furniture lock secures cabinets, lockers and mail boxes.

- Easy to install.
- Enables flexible and secure access right management.
- Records audit trail (over last 500 events).

iLOQ H10S padlock

The iLOQ H10S padlocks enabling management of padlocked sites.

- Available in different sizes with varying shackle strengths and lengths.
- Enables flexible and secure access right management.
- Records audit trail (over last 500 events).
- High level of security.

iLOQ R10S key reader

The iLOQ R10S key reading unit for easy management of elevators, parking barriers and alarm systems operated using iLOQ keys.

- Easy to install.
- Enables flexible and secure access right management.
- Records audit trail (over last 500 events).
- High level of security.

iLOQ S10 – The superior award-winning locking solution

The iLOQ locking solution has won several awards in the security industry. The advantages of iLOQ over other systems are clear.

	iLOQ S10 locking solution	Mechanical locking solution	Battery operated locking solution
Key encryption	Yes	No	Yes
Lock encryption	Yes	No	Yes
Long key lifetime	Yes	Yes	No *(according to battery life)*
Long lock lifetime	Yes	Yes	No *(according to battery life)*
Using key to program lock	Yes	No	No
Time restricted access	Optional	No	Optional
Key re-programming	Yes	No	Yes *(partially mechanically restricted)*
Key remote programming	Yes	No	No
Lock re-programming	Yes	No	Yes *(partially mechanically restricted)*
Collection of log information from locks	Yes	No	Yes
External access right restriction using switch	Optional	No	No
Independent from battery or power supply risks	Yes	Yes	No
Frost resistant	Yes	Yes	No
Delivery and stocking	Fast	Slow	Slow *(if mechanically keyed)*
System maintenance	Easy	Complicated	Complicated
Decentralized up-to-date management	Yes	No	No
Graphic floor plans	Yes	No	No
Handling of security critical information	Encrypted	By manufacturer/deliverer	By manufacturer/deliverer
Environmental friendliness	Yes	No	No
Lost key costs	Very low	High	Low
Possibility to expand to a completely remote managed system	Yes	No	No
System maintenance and management using SaaS architecture	Yes	No	No

In 2008, iLOQ won two internationally highly valued security industry top awards: the IFSEC Security Industry 2008 award and the Detektor International Award 2008. The President of the Republic of Finland awarded iLOQ the INNOSUOMI 2008 award in the same year. iLOQ received a second Detektor Innovative Achievement Award in 2010.

That's why iLOQ S10

iLOQ S10 means advanced access security. The system offers fast and easy elimination of lost keys, affordable installation and maintenance, efficient management of fully programmable locks and keys, and the best locking security on the market. All locking systems are built for a long life. iLOQ S10 means a lifetime of savings in advanced access management. Why take risks when you can have the best?