

CAPTOS



CAPTOS iCharge



THE EASY-TO-USE NETWORKED RFID LOCKING SYSTEM

便捷使用 RFID 互联网电子锁系统



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CAPTOS – THE NETWORKED RFID LOCKING SYSTEM

CAPTOS – RFID 互联网电子锁系统

The networked electronic RFID lock is the perfect solution for lockers in public facilities, sports and fitness centres, public buildings, museums and offices and more. The benefits of these networked locking systems are particularly advantageous for decentralised organisations.

Transponders such as employee IDs, keyfobs or wristband provide easy-to-use, intuitive opening and closing using contactless RFID technology based on 13.56 MHz. Captos supports the popular MIFARE and LEGIC technologies. Captos can also be used with your existing MIFARE or LEGIC transponders; in this case, please take advantage of our compatibility and range check service. Captos is available in MIFARE and LEGIC variants.

The lock can be operated in 'shared use' or 'assigned use' mode. In "shared use" mode, an LED visible even from a distance indicates which lockers are available and which are occupied. In addition, Captos also provides an acoustic signal as feedback to users.

The lock does not require any batteries which significantly reduces future maintenance costs. The option of networking using the LEHMANN Management Software LMS allows remote configuration and authorization changes by facility management in real time. Complex locker installations can therefore be managed extremely efficiently.



CAPTOS

RFID互联网电子锁是公共设施、体育健身中心、公共建筑、博物馆和办公室等场所储物柜的完美解决方案。此互联网锁系统特别适用于分支机构较多的公司。

支持使用基于13.56 MHz非接触式RFID技术的接收器，诸如员工卡、钥匙扣或手环等，都能提供易于使用、简单的开关锁功能。Captos支持较普遍的MIFARE和LEGIC技术。Captos也可以使用您现有的MIFARE或LEGIC接受器，如您有此需求，我们可以提供兼容性和使用范围的检测服务。Captos在MIFARE和LEGIC的变种协议中也可适用。

此锁可以设置为“分享”和“指定”模式。在“分享”模式下，从远处也能看到LED的显示状态，从而知道哪些储物柜可用，哪些储物柜已被使用。此外，Captos还有声音信号作为反馈。该锁不需要任何电池，这大大降低了未来的维护成本。使用LEHMANN管理软件LMS的网络选项可以对设备进行实时远程配置和授权更改。因此，可以非常有效地管理复杂的储物柜安装、配置等。



CAPTOS – SECURITY FOR ALL APPLICATIONS
CAPTOS – 全面的安全性应用



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CAPTOS iCharge WITH BACKLIGHTING AND USB

CAPTOS iCharge 附带氛围灯和USB充电功能



CAPTOS iCharge



USB charging function and backlighting

In addition to the standard variant, the Captos iCharge also features a USB port for charging smartphones or tablets. The USB port is easily accessible, providing users with a practical option to charge their mobile devices.

With Captos iCharge, backlighting of the lock can be activated as an additional feature. The backlighting colour can be set individually for each lock in the LEHMANN Management Software LMS. The backlighting colour can be individually adjusted for each lock. As soon as the locker door is opened, the backlighting switches on.

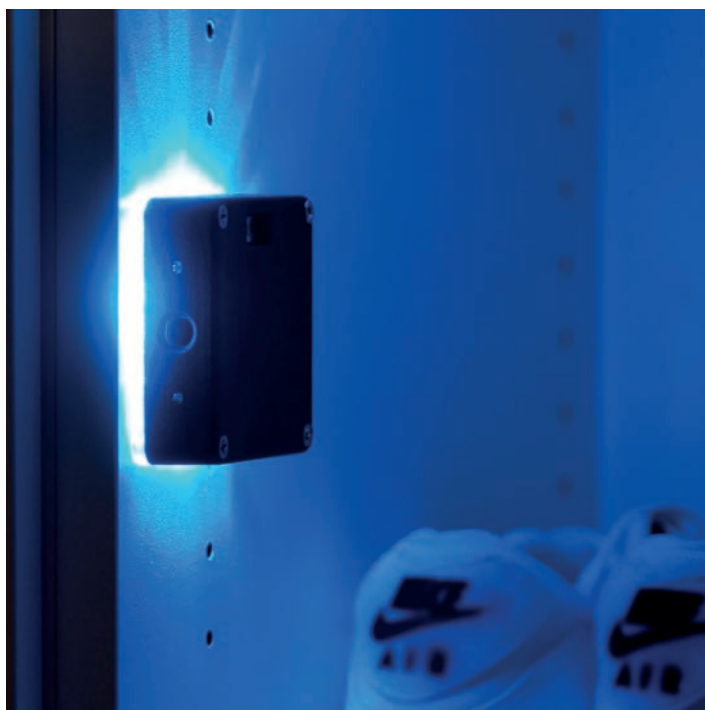
The lock can be fitted to different materials including wood, HPL and metal surfaces.

USB-充电和氛围灯功能

与标准版本不同，Captos iCharge自带一个USB接口，可以为智能手机或平板电脑充电。USB端口使用非常简单，为用户提供了一个很实用的选择，方便为他们的移动设备充电。

使用Captos iCharge，锁体的氛围灯可以作为一个附加功能被激活。氛围灯的颜色可以在LEHMANN管理软件LMS中为每个锁体进行单独配置。氛围灯的颜色也可以个性化设定。当储物柜的门被打开时，氛围灯同时亮起。

这种锁体可以安装在不同的材料上，包括木制、HPL和金属材料。



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Lock configuration and management is carried out via the LEHMANN Management Software LMS. The software is used for both the battery-operated LEHMANN RFID systems and the networked Captos RFID lock. One software for all LEHMANN RFID systems.

LMS is a powerful and intuitive software which allows centralised, GDPR-compliant management and control of LEHMANN RFID locks. RFID transponders can be easily and quickly added. If a transponder is lost, it can be invalidated with just a few clicks and replaced with a new transponder.

By using the networked Captos RFID lock, facility managers benefit from remote allocation of authorisation and changes to configuration which are transferred to the locks in real time. Changes to authorisation can also be completed in remote buildings in no time at all using the LMS and transferred to the respective locks over the LAN.

Lock usage can also be logged in LMS if required. Networked RFID lock functions such as remote opening or access times can be controlled in real time via the LMS. LMS is operated through the customer's IT infrastructure. The only requirement to activate the software is the „LMS Online“ licence.

As an alternative to the LMS, Captos RFID locks can also be configured using master and programming cards, in the same way as battery-operated RFID systems.

通过LEHMANN管理软件LMS可以对锁体进行配置和管理。该软件可同时用于电池操作的LEHMANN RFID系统和互联网Captos RFID锁体系统。所有LEHMANN RFID系统都共用同一个软件。

LMS是一个非常强大并且直观的软件，允许集中化、标准化（适用GDPR标准）的管理和控制LEHMANN RFID锁体。RFID接收器可以便捷和快速地进行添加。如果一个接收器丢失了，只需点几下鼠标，就可以使它失效，并用一个新的进行替换。

设备管理人员可以远程授权并对联网中的中Captos RFID锁体进行分配和设置更改，这些更改将实时转移到锁体中。也可以在LMS中远程先对建筑物中的设备完成相应的授权和更改，并通过LAN发送到相对应的锁体上。

如有需要，还可以在LMS中记录锁体的使用情况。远程RFID锁体控制功能，如远程打开或访问时间，都可以通过LMS进行实时制定。LMS是基于客户的IT基础设施运行的。激活软件许可证即可正常使用该软件。

作为LMS的替代方案，Captos RFID锁体也可以使用主卡和编程卡进行配置，与电池驱动的RFID系统相同。

Note: LMS supports only MIFARE DESFire and LEGIC advant transponders. A USB desktop reader is required for programming transponders into LMS. The LEHMANN Data Transfer app can be used to program the RFID locks into LMS on an Android-based, NFC-enabled smartphone. LMS must be installed at Version 2.0 or higher in client/server mode to be able to use the described Captos functions.

注意: LMS仅支持MIFARE DESFire和LEGIC协议的接收器。将接收器编程到LMS中需要一个USB接口连接到电脑上。LEHMANN数据传输应用程序可用于基于Android、支持NFC的智能手机上进行编程并将RFID锁体数据传输到LMS。LMS必须安装在2.0或更高版本的客户端/服务器上，才能使用所有的Captos功能。

THE BENEFITS OF NETWORKED RFID LOCK SYSTEMS

使用RFID互联网锁系统的优点

Reduced management costs

- Immediate invalidation and replacement of lost transponders
- Prevention of users occupying multiple lockers
- Flexibility due to free choice of operating mode
- Efficient administration of all functions

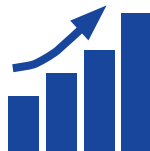


减少管理成本

- 实时替换遗失的接收器
- 防止同一客户占用过多储物柜
- 可灵活自由选择操作模式
- 超高效的部门管理应用功能

Increased efficiency

- Allocation of lockers to specific individuals or by time
- Quick identification of which employee is using a locker
- Central administration of access rights
- Status information in real time



增加效率

- 根据具体的用户或者时间来设置锁体
- 迅速甄别储物柜的使用者
- 集中化管理使用权限
- 实施状态信息反馈

Increased user-friendliness

- Easy to use due to simple and intuitive operation
- Contactless opening and closing
- Transponders can be used for more than one system such as access control, time logging and lockers
- Automatic locking function for locks in assigned use mode



增加使用者体验

- 简便的操作和初始设定
- 无接触开关柜门
- 接收器可运用于多个系统，如门禁系统、时间日志和储物柜
- 指定模式下的自动上锁功能

Increased security

- Configuration via secure LEHMANN Management Software LMS
- GDPR-compliant data logging
- Adjustable authorisation hierarchies in LMS



增加安全性

- 通过安全的LEHMANN 管理软件 LMS进行设备配置
- GDPR标准日志数据
- LMS中可调整授权等级



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CAPTOS – THE NETWORKED SOLUTION FOR EVERY LOCKER

CAPTOS – 适用于各种储物柜的互联网解决方案

Primary and secondary controllers are used for the power supply and data transfer when running Captos locks. The primary controller acts as the interface to the network (LAN) and thus to the customer's server where the LEHMANN Management Software LMS is installed.

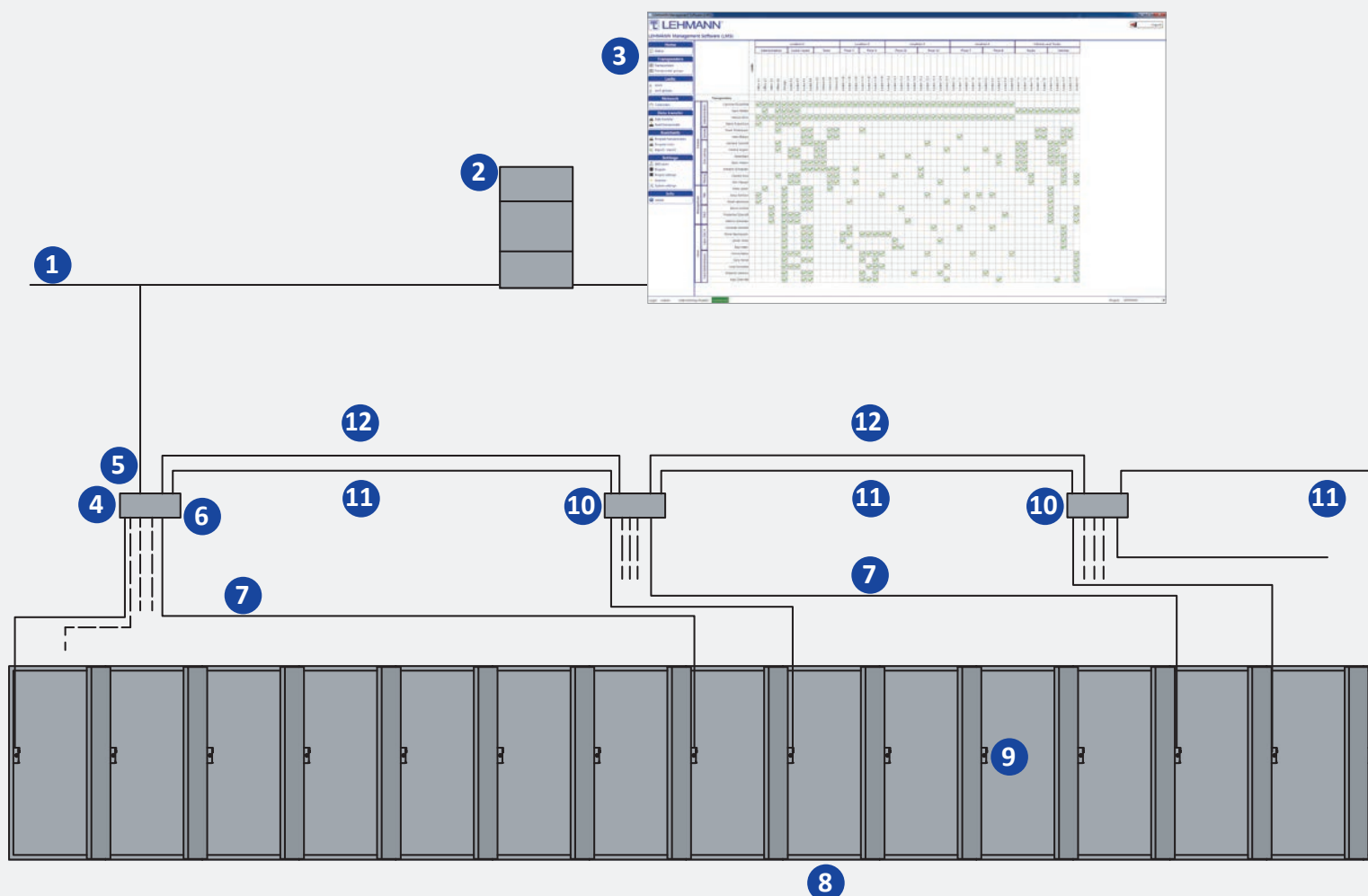
Up to 24 Captos locks can be directly connected to one primary controller. In addition to this, up to 32 secondary controllers can be connected in series to a primary controller, each with up to 24 Captos locks.

Additional primary controllers can also be used depending on the size of the project. If the locks are not configured in LMS, the controllers can also be used just as a power supply.

主和副控制器用于提供Captos锁体的供电和数据传输。主控制器用于接入用户网络（LAN）并用于在客户服务器上安装的LEHMANN管理软件LMS的运行。

至多24个Captos锁体可以直接连接到主控制器上。另外，最多32个副控制器可以连接到主控制上，并且每个控制器也可连接最多24个Captos锁体。

视项目情况而言，也可增加多个主控制器。如果锁体没有通过LMS进行管理和控制，控制器也可以仅用于电源供给。



When using Captos locks without the USB charging function, up to three controllers can be powered from a single network component. When using Captos iCharge locks with USB charging function, the controllers are each powered by a separate network component.

LMS must be installed at Version 2.0 or higher in client/server mode to be able to use the networked Captos RFID lock.

如果使用无USB充电功能的Captos锁体，一个供电线至多可以供给三个控制器。

当使用带USB充电功能的Captos锁体时，每一个控制器必须有一个单独的供电线。

LMS必须安装在2.0或更高版本的客户/服务器上才能实现互联网Captos RFID锁的全部功能。



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PRIMARY AND SECONDARY CONTROLLERS

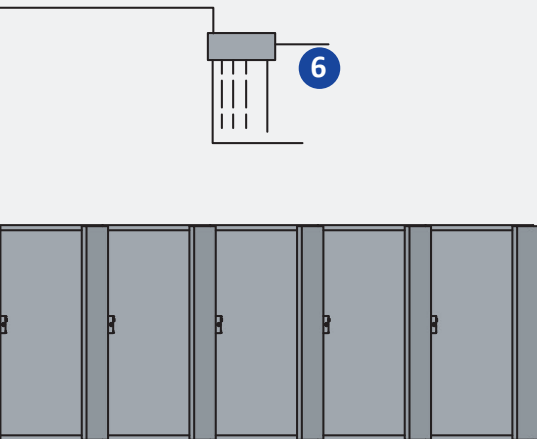
主和副控制器

- Primary and secondary controllers provide the power supply for Captos locks and for data transfer between locks and the server in the customer's network (LAN) using the LEHMANN Management Software LMS
- The primary controller acts as the interface to the customer's network (LAN)
- 24 Captos or Captos iCharge locks with MIFARE or LEGIC technology can be connected to each controller
- Locks are connected via an RJ11 connector
- Up to 32 secondary controllers can be connected in series to one primary controller
- Alternatively, controllers can be used as just a power supply for the locks without LMS
- Firmware updates for the controllers are carried out over the network (LAN)
- Robust housing made of anodised aluminium and plastic covers – also suitable for wall mounting
- Nominal voltage: 12 V DC
- Dimensions: 226 x 48 x 104 mm
- Weight: 550g

- 主和副控制器为Captos锁体提供电源供给和数据传输，并通过客户网络（LAN）运行安装在客户端服务器上的LEHMANN管理软件LMS
- 由主控制器接入到客户的网络中（LAN）
- 每个控制器可连接24个MIFARE或LEGIC协议的Captos iCharge锁体
- 锁体由RJ11接口连接到控制器
- 一个主控制器可以连接32个副控制器
- 在不使用LMS的情况下，控制器可仅用于给锁体供电
- 控制器的固件升级通过网络完成（LAN）
- 强化的氧化铝和塑料外壳可适用于任何安装环境
- 电压：12 V DC
- 尺寸：226 x 48 x 104 mm
- 重量：550g



Illustration / 图片:
Primary Controller
(Secondary without
LAN/USB port, without NFC function /
主控制器（副控制器无LAN/USB接口，
无NFC功能）



- 1 LAN / network / LAN / 网络
- 2 Server with LMS database / LMS数据服务器
- 3 LMS client / LMS 客户端界面
- 4 Primary controller / 主控制器
- 5 Ethernet cable / 网络接口
- 6 Power unit and network cable / 电源和网线
- 7 Connection cable (controller - lock) / 连接线（控制器 - 锁体）
- 8 Locker / 储物柜
- 9 RFID lock CAPTOS / CAPTOS RFID锁体
- 10 Secondary controller / 副控制器
- 11 Data cable for controller / 控制器数据线
- 12 Power cable for controller / 控制器电源线

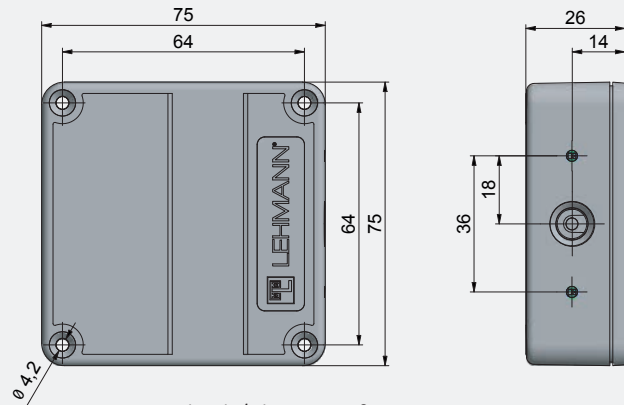


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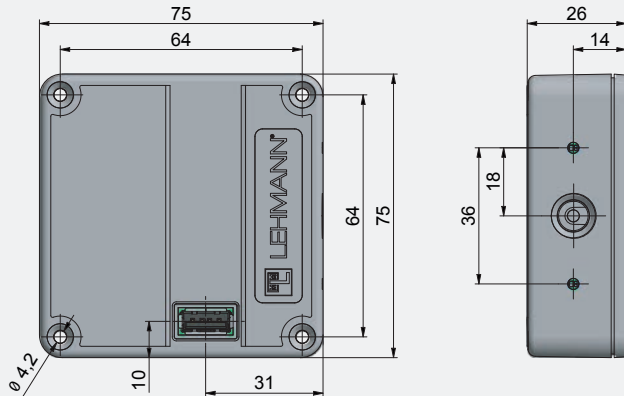
BENEFITS / VORTEILE

- 13,56 MHz MIFARE / LEGIC
- Operation with (existing) RFID cards or keyfobs
- Assigned used or shared use operating mode
- Optical and acoustic signals
- Optional LED status display
- Symmetrical design, can be used left-handed or right-handed
- Suitable for wood, HPL and metal (assembly in metal with additional component)
- Optional ejector for contactless opening
- Mains operation without batteries
- Installation card: universal tool to operate the lock throughout the supply chain up until the client takes possession of the lock
- Configuration via LEHMANN Management Software LMS
- Alternative configuration using master card also possible

- 13,56 MHz MIFARE / LEGIC
- 可用 (现有的) RFID卡或钥匙扣
- 分享模式或者指定模式
- 光感信号和声音信号
- LED 指示灯显示
- 对称设计, 可用于左开门或右开门
- 可适用于木质、HPL或者金属 (金属材料需安装辅助盖板)
- 可选无触点弹出器
- 无需电池运行
- 安装卡: 在整个供应链流程中可用此卡开关锁体, 一旦主卡使用后此卡即失效
- 通过LEHMANN管理软件LMS进行配置
- 也可通过主卡和功能卡进行配置



Dimensions sketch / Skizze Bemaßung CAPTOS



Dimensions sketch / Skizze Bemaßung CAPTOS iCharge

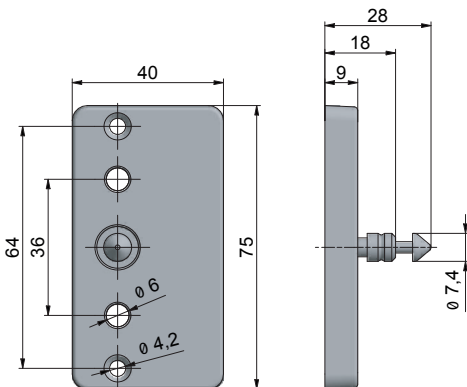
REQUIRED COMPONENTS / 相关部件



Captos iCharge
as MIFARE or LEGIC version
MIFARE或LEGIC版本



Captos
as MIFARE or LEGIC version
MIFARE或LEGIC版本



Locking pin SD type C / 锁定销 SD Typ C

Futher components / weitere Komponenten:

- Lightpoint O10.1 for HPL 10 to 15mm / 指示灯O10.1适用HPL 10至15mm
- Lightpoint O16.1 for wood 16 to 21mm / 指示灯O16.1适用木质16至21mm
- Ejector pin A2 / 弹出器A2
- Cover C2 (for Metal) / 盖板C2 (适用金属)
- Multifunction cover C3 (Lightpoint) / 多功能盖板C3 (指示灯)
- Primary Controller PC1/ 主控制器 PC1
- Secondary Controller SC1/ 副控制器 SC1
- Power supply unit PS1 / 供电组件 PS1

Note:
MIFARE Classic and LEGIC prime are not supported by LMS.
MIFARE Classic and LEGIC prime have limited use with card programming

Hinweis:
LMS不支持MIFARE Classic und LEGIC prime.
用卡对MIFARE Classic und LEGIC prime进行编程也有一定限制。



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