deister electronic

Product Catalog

Company Profile

deister electronic – The RFID Expert

WHO WE ARE

deister electronic is an innovative and modern family-owned company with 6 international subsidiaries. Approximately 200 employees worldwide develop, manufacture, and distribute solutions in the fields of electronic access control, long-range identification, management of valuables, keys, laundry, industrial automation, and many more.

As a co-inventor and specialist in RFID technology, our products enable the electronic identification of people and objects using RFID chips, which can then be managed digitally via software. Our solutions are used in a variety of industries and applications. They help automate and digitize manual processes, increase security levels, and use company resources more efficiently.
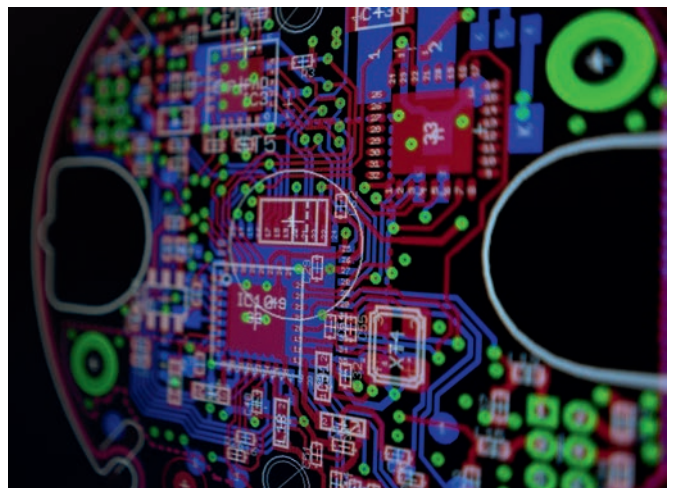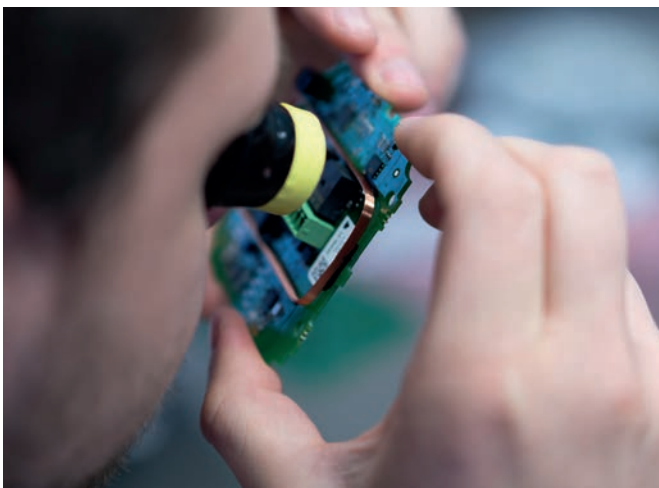
Table of Contents

Product and Solution Portfolio

KEY CABINETS

proxSafe®

Website:

Materials:

Electronic Key Management

Automatic Dispensing and Return, fully documented

proxSafe® key cabinets are intelligent management systems for keys and other valuables, such as ISO cards, with comprehensive audit and reporting functions. Control who has access to specific keys or valuables and when and by whom they can be used.

The core components are the keyTag key fob and RFID-based panels that enable contactless identification of keys. Radios, test devices, tools, laptops, and much more can now be managed efficiently, traceably, very robustly, and durably, so you always know where they are - fully automated and electronically documented.

All these functions remain intact even in the event of a power failure, as all cabinets have an electronic emergency power unit that is permanently charged and monitored. This guarantees complete operational security in the event of network, server, and power failures. In emergency mode, the system can be brought back to normal operation at any time with the push of a button.

- ⊘ Battery backup and local database for maximum operational safety during network and power outages.
- ⊘ Selection of operating terminals
- ⊘ Switch from emergency power to regular operating mode with the push of a button

- ⊘ Flexible system design, cabinet systems are expandable and combinable
- ⊘ Remote release function for administrators available
- ⊘ Extremely robust and durable thanks to RFID technology

Key Cabinets

smart 4

The smart 4 is compact and offers four slots. Operation is via the integrated RFID reader. Each user can be set up using either an RFID identification medium or a PIN, to enable access to the system. Only the keys that are authorized for removal are automatically released. The smart 4 is particularly well-suited for managing keys distributed across different locations, as PINs can be easily communicated remotely via SMS or email.

- ✓ Easy operation
- ✓ Management of keys distributed across different locations

smart 4

flexx Series

The flexx key cabinets can be combined into a singular system according to customer requirements and expanded later. Thanks to the scalable modular system, various cabinet sizes can be combined and flexibly equipped with a variety of keyPanels, enabling anywhere from 4 to several thousand keys to be managed. Additionally, customers have the choice of a solid door or one with a viewing window. The flexx series are operated via a user terminal per cabinet or a central terminal for all cabinets. The flexx 4 plays a special role, designed specifically for the separate storage and management of important keys.

- ✓ Maximum flexibility thanks to modular design
- ✓ Small to very large systems possible
- ✓ Ability to change or add keyPanels

flexx 4

3U   6U   12U   24U   36U

maxx 6U

The maxx 6U cabinet is a compact key management system with an elegant design. Its high-quality material mix and the automatic shutter makes it ideal for installation in a foyer where design matters. Additionally, the automatic shutter ensures the secure storage of keys and valuables at all times.

Thanks to integrated sensors, the shutter stops immediately if its path is obstructed. The maxx 6U provides space for two panels, allowing you to configure it flexibly. Even large key rings or objects with a keyTag can be accommodated in the key cabinet.

- ✓ Elegant design with extra storage space
- ✓ Automatic opening and closing of the cabinet
- ✓ Flexible equipment with two panels possible

maxx 6U

obelixx

The proxSafe® obelixx is a convenient visitor management system that can be integrated into the existing infrastructure and processes at all levels. Visitors can register either upon arrival using their own smartphone or receive a registration link or a ready-made QR code via email in advance.

It is possible to implement a security step whereby a staff member must first confirm the withdrawal with their ID card. The guestbook is maintained fully electronically, with visitors' arrival and departure times automatically recorded, and the issue and return of visitor badges monitored via RFID. If a badge is not returned within the predefined time, the admin will receive a notification and can react as quickly as possible.

- ✓ Management of up to 64 badges possible
- ✓ Monitoring of the issue and return of visitor badges via RFID
- ✓ GDPR-compliant, electronically maintained guestbook

obelixx

Panels

The maxx and flexx cabinets can be freely and flexibly equipped with panels according to requirements.

In addition to panels with varying numbers of RFID keyTag slots for individual keys and entire key bundles (8, 16, or 32 keys), there are also panels available for ISO cards with and without card holders.

Furthermore, the cabinets can also be equipped with panels for managing radios, optionally with integrated charge level monitoring.

- ⊘ keyPanels for 8, 16, or 32 keys and/or key bundles
- ⊘ ISO 8 Panel for cards with/without card holder for lanyard
- ⊘ Suitable for the flexx and maxx series
- ⊘ radioPanel for radios
- ⊘ Integrated charge level monitoring
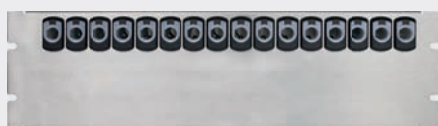
SR 16 V2
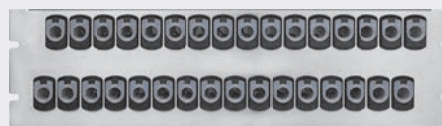
DD 32 V2

SR 8 V2

SD 16 V2
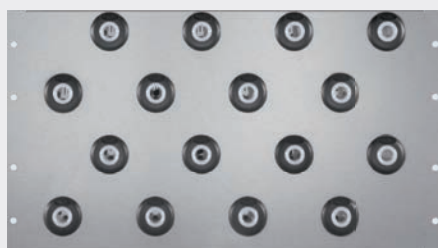
WD 16

R5 L

ISO 8

ISO 8 CH

keyTags

A keyTag is attached to each key. These are securely fastened to the keyring with a single-use seal. Replacing the key on the keyTag is only possible with a special desealing tool, ensuring tamper resistance.

Each keyTag contains an RFID chip that stores all information about the respective key. When inserted into the slot in the key cabinet, the data from the keyTag is read via contactless identification, regardless of whether it is dirty, oily, or wet.

This ensures the keyTags function reliably for a lifetime. Our keyTags are available in five colours.

- ⊘ Available in five colours
- ⊘ Resistant to dirt and moisture
- ⊘ Tamper-resistant
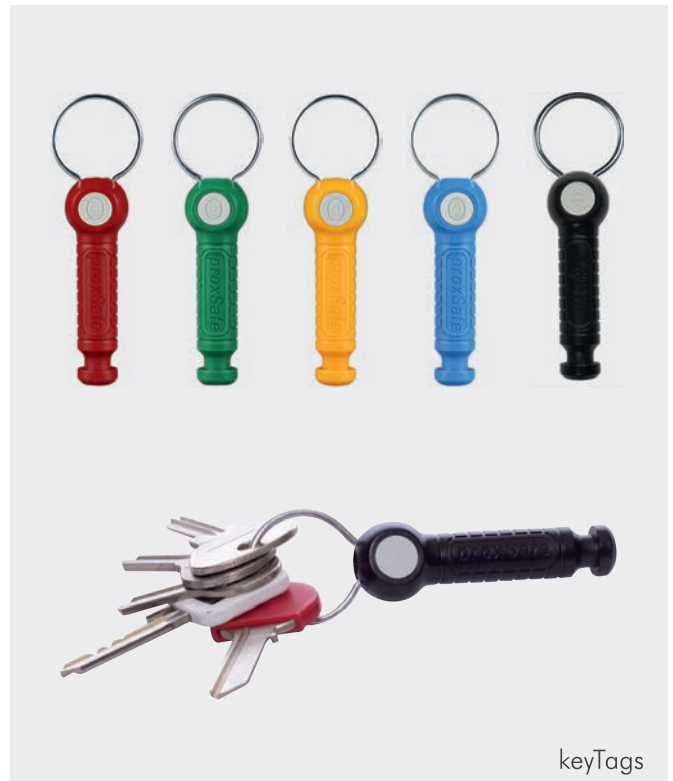
keyTags

Terminals

C4+ Control Terminal

The C4+ terminal stands for easy and quick operation. The keypad is backlit and offers tactile comfort, even when wearing gloves.

Each terminal supports the keyTag return function and the contactless detection of access credentials. The streamlined menu navigation and direct key combinations make operation incredibly simple and fast.

All important information is clearly displayed on the high-resolution color display, guiding the user optimally through the menu.

- ⊘ Supports up to 14 languages
- ⊘ Integrated RFID reader can read all common access credentials and keyTags
- ⊘ Very fast and easy operation
- ⊘ Tactile comfort even with gloves

C4+

C6+ Control Terminal

The C6+ terminal offers a more visual control interface for enhanced user convenience through its 5.7" touchscreen. This allows for clear and comprehensive graphical display of user guidance and extensive information.

The larger display simplifies the user experience, particularly within withdrawal and return processes that include additional steps such as mileage logging. Each terminal supports the keyTag return function and the contactless reading of access credentials.

- ⊘ Supports up to 14 languages
- ⊘ Integrated RFID reader can read all common identification media and keyTags
- ⊘ Generous control interface for enhanced user convenience
- ⊘ Optimal user guidance through graphical support
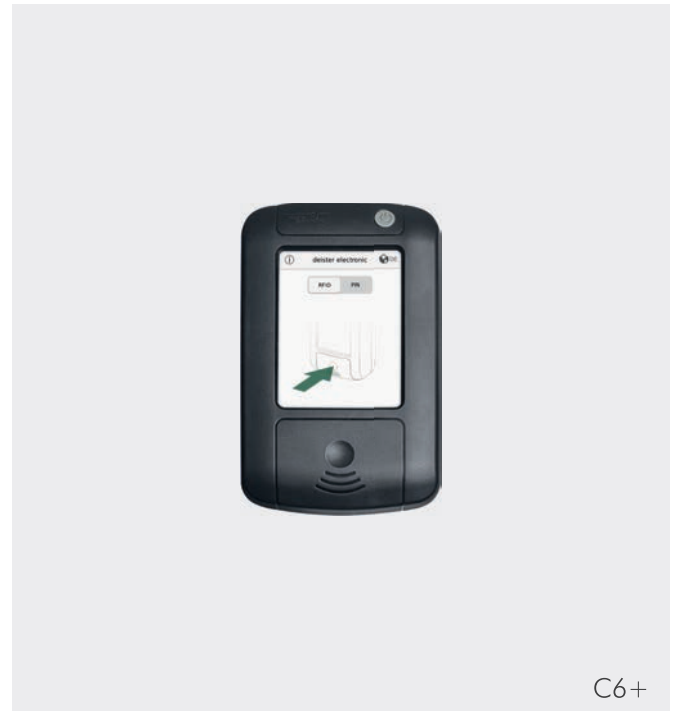
C6+

C17 Control Terminal

The C17 is a user terminal with a 17" touchscreen that can be used with all proxSafe® cabinet series. The C17 terminal is ideal for systems where additional information or explanations are needed in parallel with the use of the proxSafe system. The display supports Full HD explanatory videos as well as other operating instructions, whilst also being able to display system use data.

Each terminal supports the keyTag return function and the contactless reading of access credentials. Furthermore, third-party RFID readers can be installed. This intuitive interface ensures that users can easily navigate through menus for a simple but comfortable user experience.

- ⊘ Supports up to 14 languages
- ⊘ Integrated RFID reader can read all common access credentials and keyTags
- ⊘ Installation space for third-party RFID readers
- ⊘ Display of Full HD explanatory videos and operating instructions possible

C17

MCI 2 Mobile Converter

The MCI 2 is a universally applicable and intelligent data transmitter that converts from the serial RS485 interface to the mobile network. With the MCI 2, it is possible to access deBus-based devices easily and without complex installation from any location. The MCI 2 is used when no local network is available, integrating devices into existing networks is too costly, or the system operator does not desire it. An additional interface allows for monitoring a control input or activating a potential-free control output. All data is transmitted securely via the deisterCloud and can be received by the Commander Connect software. Decryption occurs on the client side within the Commander using a hardware dongle. This ensures that the MCI 2 meets even the highest security standards.

- ⊘ Independent of the customer network
- ⊘ Remote control and monitoring of systems
- ⊘ Encrypted transmission of all data

MCI 2

SMART STORAGE SYSTEMS

proxSafe®

Website:

Materials:

Intelligent Management of Valuables

Smart, Automatic Transfer Stations

proxSafe® compartment systems are intelligent management systems for work equipment, weapons, and other valuables with comprehensive audit and reporting functions. Control who has access to specific items or work equipment, as well as when and by whom they are used. proxSafe® compartment and drawer systems are modular and available in various sizes depending on the application. Virtually all compartments are available with the option for RFID compartment monitoring. An RFID chip is attached to the housing of the objects and read by the RFID identification reader in the compartment. Additionally, with the Multi Object ID function, you can register, for example, a weapon and a keychain with a keyTag in the same compartment. The compartments can be equipped with one or more RFID readers to manage all objects. Up to 10 objects per compartment can be monitored and managed using RFID. For robust and long-term use, all drawers are wireless and integrated into the system. All proxSafe compartment systems come with a backup battery, ensuring they remain operational even during a power outage.

Multi Object ID

- ⊘ Operational safety during network and power outages
- ⊘ Optional Multi Object ID function
- ⊘ Optional „integrated charging" function
- ⊘ Various modular cabinet sizes
- ⊘ Wireless drawers for robust and durable use

Locker systems and drawer cabinets

locker Series

The electronic locker system proxSafe® locker consists of cabinets with various compartment sizes that can be combined with each other. The locker cabinets can optionally be equipped with compartment identification and customized inserts in the compartments to electronically identify the items. Each withdrawal and return is automatically documented. Control terminals can be chosen according to the existing requirements to operate the compartment system.

✓ Various compartment sizes, combinable

✓ Optional RFID compartment monitoring

✓ Manage up to two objects per compartment

| S12 | S14 | M12 | L8 | L6 | L4 |

Compartment dimensions (W x H x D):

↔ 162 mm	162 mm	412 mm	523 mm	523 mm	523 mm
↕ 123 mm	95 mm	116 mm	192 mm	260 mm	397 mm
↗ 295 mm	295 mm	287 mm	530 mm	530 mm	530 mm

unixx Series

unixx U

The proxSafe® unixx U is a modular cabinet that can be equipped with up to eight compartments. Thanks to the Multi Object ID function, multiple objects can be stored in one compartment and electronically monitored using UHF transponders. Access is via a user terminal. An LED signals which compartment can be opened. All withdrawals and returns are automatically logged.

✓ Management of up to 10 objects in a compartment

✓ Partial withdrawals & returns per compartment possible

Compartment dimensions (W x H x D):
497 x 145 x 382 mm
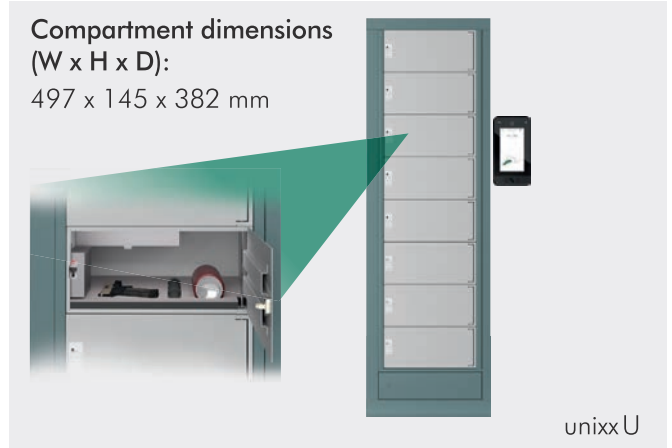
unixx U

unixx B

The proxSafe® unixx B is a modular cabinet that can be equipped with various drawer modules. The S10 drawer module can manage up to 10 vehicle keys, for example. The larger M10 module allows for the simultaneous storage of vehicle documents and the use of compartment identification for the vehicle key. The cabinets can be flexibly configured, with unused slots covered by blank panels. Access is granted through a terminal where the user must authenticate. The drawers can then be opened using the „Push-to-Open" function.

✓ Available with compartment identification

unixx B

unixx L

The proxSafe® unixx L is a modular cabinet that can be equipped with two particularly robust drawer modules, loxx 2 and 4, as desired. The drawers can be opened by the user via a „push-to-open" function, with an LED indicating the correct drawer. Each drawer is equipped with a keyTag slot. The keyTags are attached directly to the object, allowing for electronic monitoring of each withdrawal or return. The drawers are wireless and suitable for permanent use.

✓ Electronic compartment monitoring with RFID keyTags

✓ Wireless drawers for robust and durable use

unixx L

flexx locker F12 Radios

The proxSafe® flexx locker F12 is an electronic locker system for storing and managing two-way radios. Its 12 compartments are technically adaptable for all common types of two-way radios, making customization straightforward.

Optionally, each compartment can be equipped with a charging station and RFID compartment monitoring. This allows for electronic management and charging of the two-way radios, with each withdrawal and return automatically documented. A selection of control terminals can be chosen according to requirements to manage the locker system.

Optionally, the system can be expanded to monitor the charging status of the two-way radios. This information enables intelligent issuance of the fully charged radios to the user.

⊘ Optional RFID compartment monitoring

⊘ Subsequent adjustment of the compartment insert

⊘ Optional integrated charging status monitoring

Compartment dimensions (W x H x D):
124 x 342 x 100 mm

342 mm

124 mm
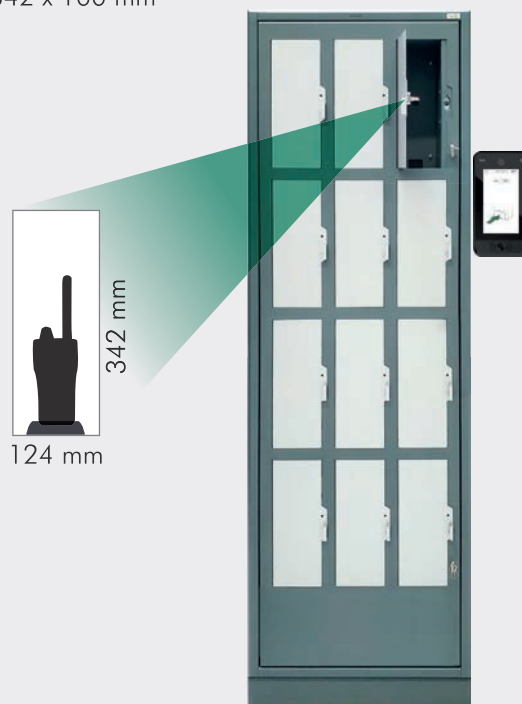
F12

WDC 8 Weapons

The proxSafe® WDC 8 weapon cabinet is often used for storing and managing long firearms. Additionally, magazines and other accessories can be stored in the drawers.

Optionally, RFID compartment monitoring can be installed in the drawers to electronically monitor the objects. With the Multi Object ID function, up to 10 objects can be individually identified in the same compartment.

Each withdrawal and return is automatically documented. A selection of control terminals can be chosen according to requirements to manage the cabinet system.

⊘ Ideal for long firearms

⊘ Optional RFID compartment monitoring

⊘ Multi Object ID for up to 10 objects

WDC 8

Compartment dimensions (W x H x D):
1388 x 121 x 474 mm

ONLINE ACCESS CONTROL

doorLoxx®

Website:

Materials:

Online Access Control

Powerful and highly secure access control systems

The doorLoxx® access control system provides the perfect solution for every door. Security-relevant and heavily frequented doors are managed via online readers from the Infinity Reader™ series and powerful controllers. doorLoxx® also offers an extensive portfolio in the field of electronic locking systems. This includes electronic cylinders, fittings, locker locks, and many other designs.

Whether it's old 125 kHz formats, insecure ID cards using only MIFARE® Classic serial numbers or MIFARE® DESFire serial numbers, or other technologies like CASI-RUSCO®, AWID, or HID prox - we assist you in migrating to a more secure reading technology and offer high-quality readers that are future-proof and updatable. The latest PRx 6 reader family supports Triple Technology™ as standard and can therefore read 125 kHz, MIFARE® Desfire, and Legic® ID media. Identification at the access reader can also be done with a smartphone via Bluetooth® or NFC as well as using smartphone wallets.

The deister cipherCard®, cipherFob, and cipherPass portfolio are our secure ID media that meet the security requirements of today and the future, ensuring increased security in your company. With the Commander Connect software, individual reports, extensive rights, and automated workflows can be set up. The variety of certified integrations allows integration with other software and systems.

- ⊘ Updatable, future-proof, „Made in Germany"
- ⊘ The perfect solution for every door
- ⊘ Triple Technology™ for reading 125 kHz, MIFARE® DESFire, and LEGIC®

- ⊘ Extensive software & powerful controllers
- ⊘ Support for all common reading technologies
- ⊘ Optional use with smartphone via Bluetooth® or NFC™ and smartphone wallets

Infinity Reader™ Series

The Infinity Reader™ is a powerful access reader available in various designs, suitable for EU and US flush-mounted boxes. The PRx4 covers the common switch programs in the EU and Switzerland. They are available as single and dual technology readers and can support additional communication technology like Bluetooth® via a plug-in module. All common reading technologies can be read by the readers. This makes it easy to switch from an existing access control system with insecure ID media while in operation. The PRx reader series is equipped with online update functionality for deister Cardnet as well as all other doorLoxx features. Identification at the access reader can also be done with a smartphone and using wallets. The timeless design creates a high-quality look, and the proven read-ing performance ensures fast and smooth operation. The LEDs of the readers clearly indicate the status to the user. Users with red/green color blindness can also recognize the status of the readers based on the LED positions. The keypad readers offer high-quality and backlit keys, allowing optimal operation day and night. These keys provide tactile comfort even when wearing gloves. With the interchangeable covers, each reader can always look like new. Changing a cover is simple.
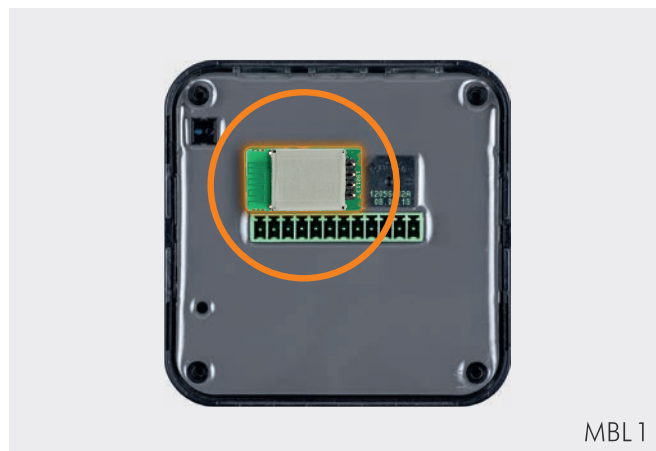
⊘ Various designs available

⊘ Highest product quality „Made in Germany"

⊘ Support for all common reading technologies

PRx 6

PRx 3

KPx 6

KPx 3

Reader cover

PRx 4

GIRA

BUSCH-JAEGER

JUNG

Schweiz

and other...

MBL 1 Bluetooth® Integration

The Infinity Reader™ offers an open interface in addition to the integrated reading technologies, for example, for the MBL 1 Bluetooth® module. This allows for individual decisions on whether each reader should be BLE-compatible. This ensures maximum flexibility for each door within the access control system. Future upgrades are also possible. Together with the deisterWallet App, the user can operate the reader with their smartphone.

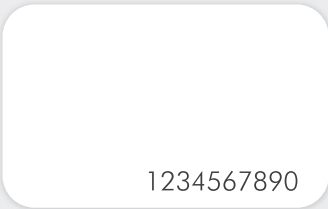✓ Works in conjunction with the deisterWallet App

✓ Flexible retrofitting

MBL 1

cipher Credentials

Our cipher identification media are available as user cards (cipherCard®), key fobs (cipherFob®), or for smartphone wallets (cipherPass®). They offer the highest standards for data security and tamper protection, while also providing the necessary flexibility to integrate custom applications. We can deliver the identification media pre-programmed, or provide you with the tools to program them yourself.

To achieve a high level of security, all cipher identification media come with pre-coded security features. With the deister configTool, it is therefore very easy and secure to program your own credentials or cipher identification media.

cipherCard®	cipherFob®
1234567890	
DESfire 8 kB | Mifare 1 kB	DESfire 8 kB
125 kHz | DESfire + 125 kHz	125 kHz
tranSpeed UHF	
tranSpeed UHF + DESfire	

cipherID®

The cipherID® is a highly secure digital identity for each individual identification medium, compatible with all physical or digital formats of the media. The cipherID® combines unique and secure identification for a wide range of technologies and applications within a single identification medium.

This allows users to securely and conveniently identify themselves with just one identification medium at RFID readers, biometric systems, printers, vehicle entry points, and offline doors.

dUID — deister UID

Face Recognition

Fingerprint

pUID — Project UID

cipher ID

Wireless Cardnet

Printer

Custom Appliations
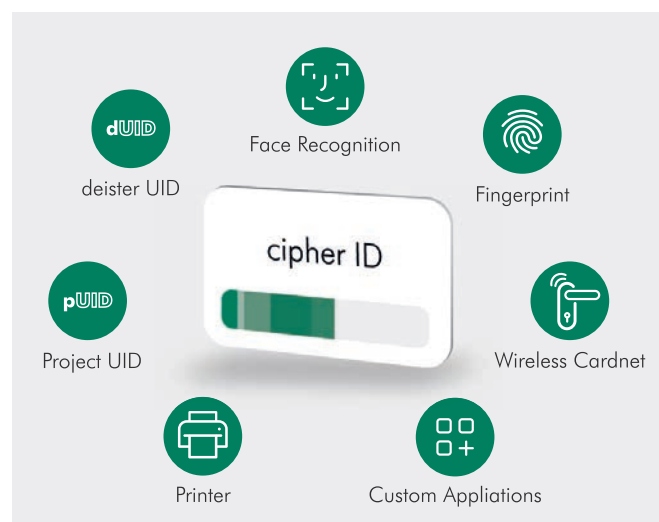
ipEntry® Controller Series

For Access and Entrance Control

OCU 8　　　DEU 8

ACC 1　　　DRC
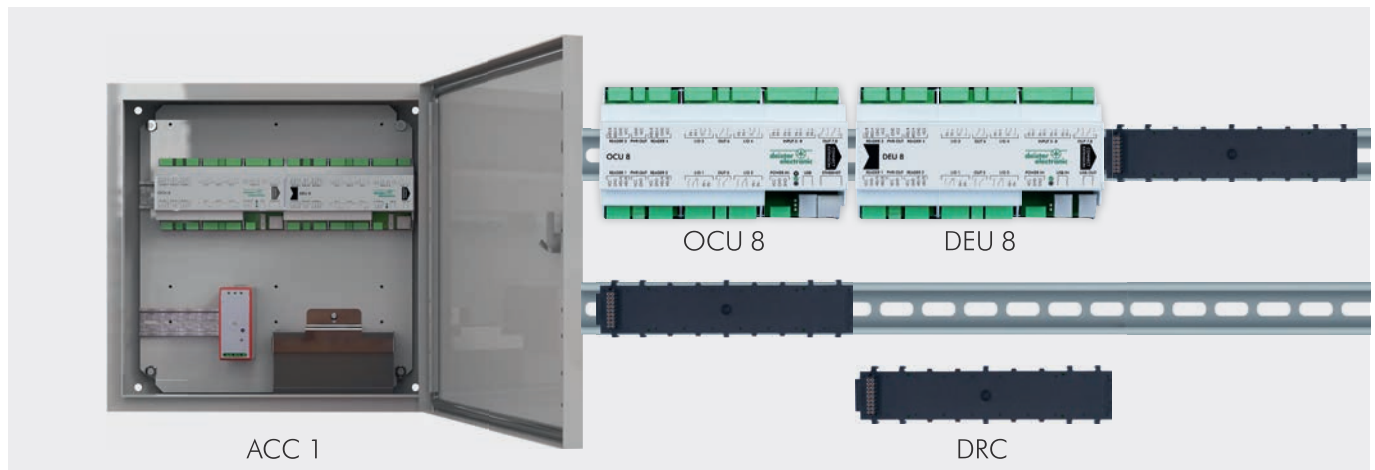
Our portfolio includes compact controllers for single doors, as well as larger controllers with various expansion modules for managing multiple doors. All controllers are designed for DIN rail mounting, which also facilitates power supply and data connection with the expansion modules. The modular design allows the controller to be tailored to individual require-ments. The controllers are interconnected using DRC connectors, or alternatively, the different modules can be linked via a USB cable. The implementation of state-of-the-art encryption technologies and methods, along with a slot for a SAM module, ensures the highest level of data security, making the controllers compatible for use in cloud-based systems. For compact installations, the ACC 1 metal housing is available, which comes equipped with a power supply and a backup battery. In larger systems, the controllers and I/O modules can be easily connected via the DRC system and a DIN rail.

- ✓ Extensive controller and extension portfolio
- ✓ Suitable for DIN rail mounting
- ✓ Compatible with DRC connectors
- ✓ Encryption mechanisms and a SAM module ensure operational security

STC 1 / STC 1 P Gateway Controller

The Linux-based STC 1 P controller is equipped with an Ethernet interface for integration into the existing network and an RS485 interface for connecting locally installed devices with a serial interface. The controller comes with a PoE power supply, which is sufficient to power a DEU 2 S door control module, two readers, and a door buzzer. This allows for cost-effective control of a door without the need for additional components.

STC 1

OCU 2 P One-Door-Controller

With the doorLoxx® OCU 2 P, a door with two readers or two single doors with one reader each can be controlled. The OCU 2 P in the DIN rail enclosure can be installed either in the switch cabinet or directly on-site, near the door. Power is supplied through the integrated PoE power supply, which also powers the connected readers and the 12V doorbell. If necessary, the OCU 2 can also be operated with an external power supply. This is also necessary when using expansion modules.

- ✓ Integrated PoE supply that also powers connected components
- ✓ Expansion with DEU 2 S and IO 10 possible
- ✓ Compatible with DRC connectors
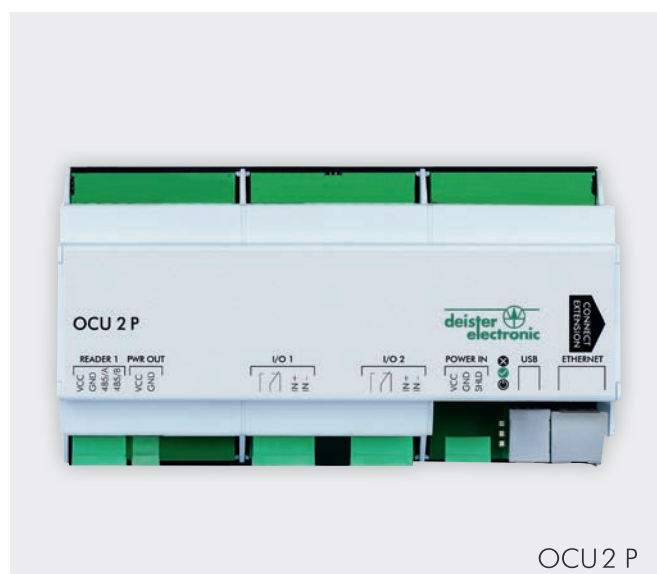
OCU 2 P

OCU 8 Eight-Door Controller

The doorLoxx® OCU 8 is a controller for four to eight doors, depending on the type of door control. Up to eight readers can be connected to the four RS485 interfaces. This allows control of up to four doors, each with an entry and exit reader, or up to eight doors with one entry reader each.

The eight I/Os provide sufficient interfaces for sensors and actuators. The controller can be expanded with additional interfaces and I/Os via the DEU 2 S, DEU 8, and IO 10 expansion modules.

The DIN rail housing is suitable for installation in a control cabinet and offers clear wiring.

- ✓ Control for four to eight doors with one or two readers per door
- ✓ Can be expanded with DEU 8, DEU 2 S, and IO 10 interface modules
- ✓ Compatible with DRC connectors
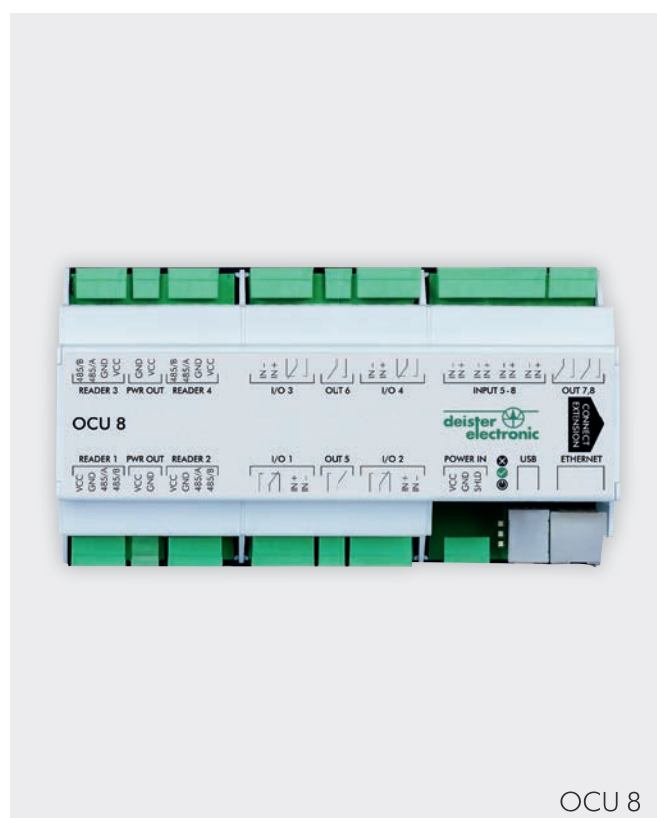
OCU 8

DEU 8 Door Control Module

The doorLoxx® DEU 8 is the expansion module for controlling up to four additional doors with two readers each or eight single doors with one reader each.

The module provides four RS485 interfaces for readers. The eight digital inputs and eight potential-free relay outputs offer sufficient interfaces for connecting sensors and actuators.

The DEU 8 has a compact DIN rail housing for installation in a control cabinet or directly near the door.

- ✅ Four RS485 interfaces for up to eight readers
- ✅ Eight digital inputs and eight potential-free relay outputs (four changeover and four normally closed contacts)
- ✅ Compatible with DRC connectors

DEU 8

DEU 2 S Door Control Module

The doorLoxx® DEU 2 S expansion module enhances the STC 1, OCU 2, or OCU 8 controllers by providing the capability to control an additional door with up to two readers or two single doors, each with one reader.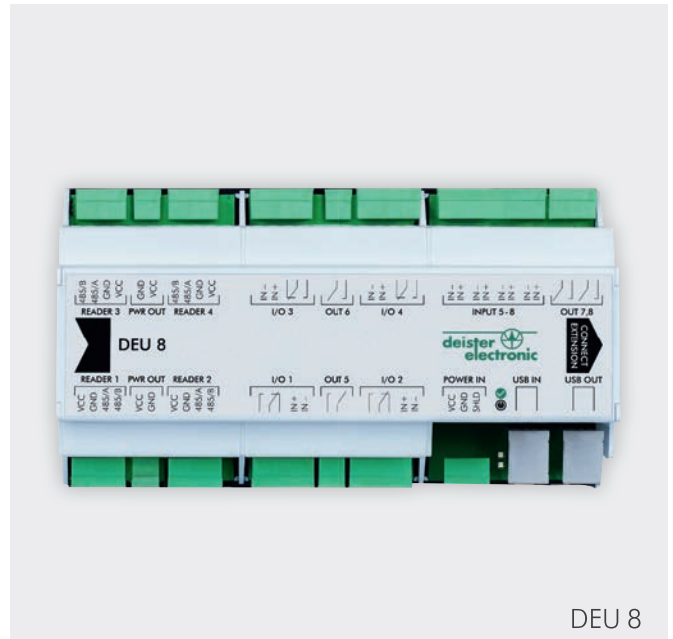 The module features an RS485 interface for readers and multiple I/Os, with all inputs capable of being used as „supervised inputs" for increased security requirements. The DEU 2 S connects to the controller via RS485, allowing for longer cable runs, enabling the controller to be installed in a secure area while the DEU 2 S can be installed remotely, directly at the door.

- ✅ Four „supervised inputs"
- ✅ Two potential-free relay outputs and one RS485 interface
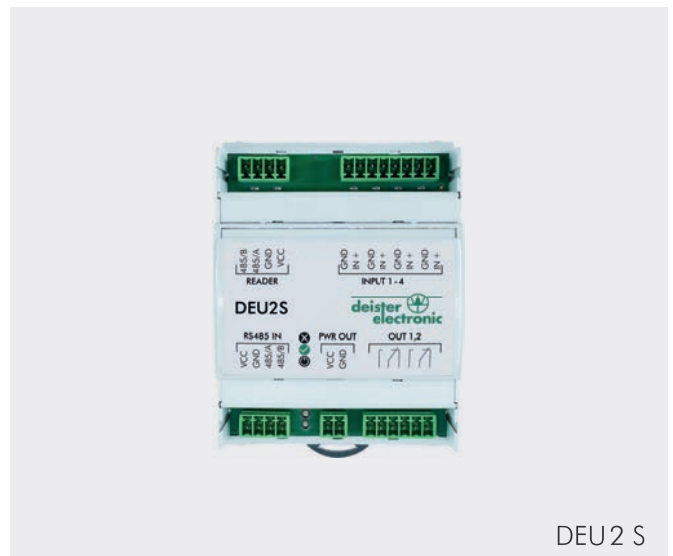
DEU 2 S

IO 10 Expansion Module

The doorLoxx® IO 10 is an expansion module for the STC 1 P, OCU 2 and OCU 8 controllers. It can control additional peripheral devices or connections, such as an elevator system or a sluice. All 10 inputs can be used as digital inputs. The 10 control outputs are potential-free. The IO 10 has a compact DIN rail housing for installation in a control cabinet or directly near the door.

- ✅ 10 digital inputs and 10 potential-free relay outputs with changeover contacts
- ✅ Compatible with DRC connectors

IO 10

ELECTRONIC LOCKING SYSTEMS

doorLoxx®

Website:

Materials:
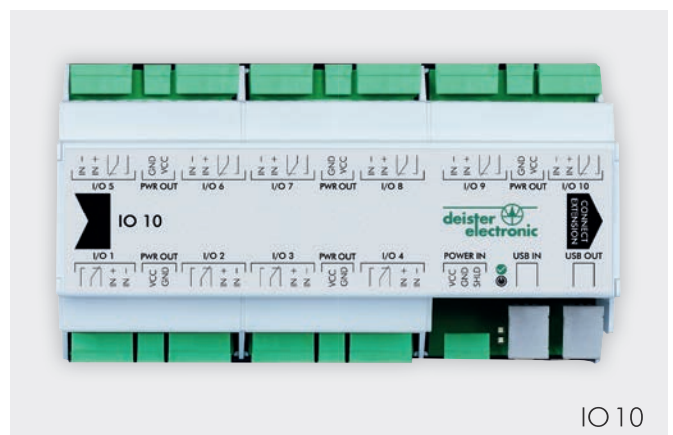
Cost-efficient and high-quality locking components

Flexible, powerful, „Made in Germany"

In addition to online readers and controllers, the doorLoxx® access control system also includes electronic locking systems. The extensive product portfolio offers the right solution for every door. From electronic cylinders and fittings to locker locks and specialty components, doorLoxx® provides high-quality solutions with a focus on mechanical quality, electronic security, and durability.

The wireless locking components can be integrated into the system in various ways. We support operating modes such as deisterCardnet, deister Local Data, or deister Online Connection. Whilst security requirements and other standards are constantly evolving, access control systems are often in operation for many years or even decades.. The concept of interchangeable reader heads makes doorLoxx® locking components future-proof. Adaptation of the reading technology is possible without replacing the entire locking component. All common reading technologies such as MIFARE®, MIFARE® DESFire, LEGIC®, 125 kHz are supported and can be operated via smartphone if required. All reader heads have one thing in common: they communicate via the airLink® wireless network to airLink® spots and thus to the central management software Commander Connect. This allows for automated transmission of usage data and battery status. With the Commander Connect software, individual reports, extensive access structures, and automated workflows can be set up. The variety of certified integrations allows for interoperability with other software and systems.

- ✓ Extensive product portfolio offers the right solution for every door
- ✓ Secure cipher identification media
- ✓ Operable via NFC with a smartphone
- ✓ Future-proof with interchangeable reading technologies

Supported Reading Technologies

| MIFARE | NFC | airLink | | LEGIC | NFC | airLink | | MIFARE | NFC | airLink | Bluetooth | | 125 kHz | airLink |

Electronic Fittings

DHM 3 EU Fitting

The doorLoxx® DHM 3 is a modular fitting designed for EU doors. It can be flexibly installed as a short plate variant on any door and can be modularly extended to a long plate variant. Featuring high-quality „Made in Germany" craftsmanship, a timeless design, and highly efficient energy management, it ensures long battery life and durability. Clear and bright signaling provides un-ambiguous feedback, even in bright daylight. A function button on the inside offers various extra features.

- ✓ Modularly adaptable as a short or long plate
- ✓ Modern design with long battery life
- ✓ Multiple operating modes: Office, permanent open, toggle, and more

Outside   Inside   Tubular frame

DHM 3

DHM 3 HD Heavy Duty EU Fitting

The doorLoxx® DHM3 HD is a „Heavy Duty" fitting specif-ically designed for rugged environments. Its robust design allows for the installation and operation of heavy doors without compromising functionality or durability. It can be flexibly installed as a short plate variant on any door and can be modularly extended to a long plate variant. Featuring high-quality „Made in Germany" craftsmanship, a timeless design, and highly efficient energy management, it ensures long battery life and durability. Clear and bright signaling provides unambiguous feedback, even in bright daylight. A function button on the inside offers various features.

- ✓ Modularly adaptable as a short or long plate
- ✓ Robust design for heavy doors and long battery life.
- ✓ Multiple operating modes: Office, permanent open, toggle, and more

DHM 3 HD

Electronic Cylinders

DCM 2 EU Door Cylinder

The doorLoxx® DCM 2 is an electronic cylinder available in various standard lengths and can also be modularly adjusted with extension elements to fit the specific door thickness on-site. The DCM 2 is available with one or two reader heads or as a half-cylinder.

Featuring high-quality „Made in Germany" craftsmanship, a timeless design, and highly efficient energy management, it ensures long battery life and durability. Clear and bright signaling provides unambiguous feedback, even in bright daylight.

- ⊘ Modern design with long battery life
- ⊘ Multiple operating modes: Office, permanent open, toggle, and more
- ⊘ Cylinder head with perfect tactile feedback

DCM 2

Electronic Furniture Locks

DCL 3 Electronic Cabinet Lock

The doorLoxx® DCL 3 is an electronic locker lock that fits all standard office furniture. This allows cabinets, lockers, and wardrobe furniture to be electronically controlled and integrated into the access control system.

The latch mechanism can be easily adjusted to the installation situation. High-quality „Made in Germany," a timeless design, and highly efficient energy management ensure long battery life and durability. Clear, bright signaling provides explicit feedback, even in bright daylight.

- ⊘ Compatible with all common lever forms
- ⊘ Easy installation, long battery life
- ⊘ Multiple operating modes: Office, permanent open, toggle, and more

DCL 3
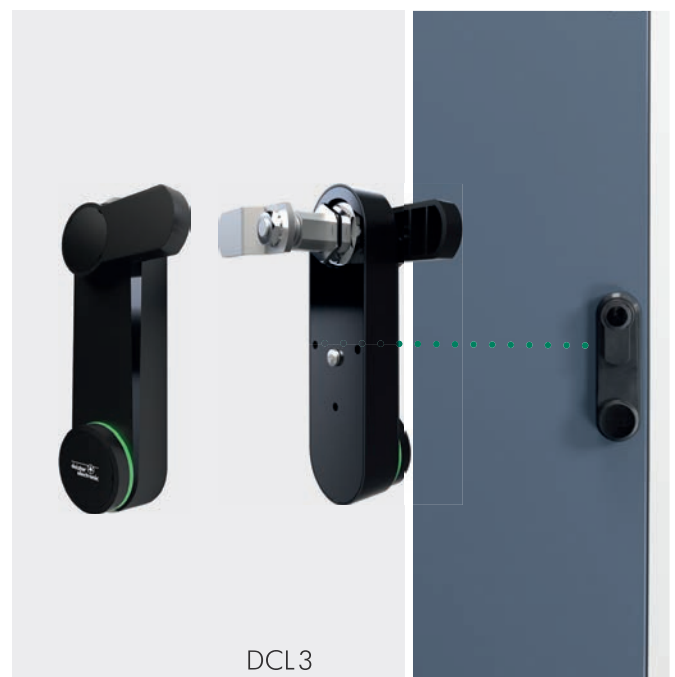
Electronic Motor Locks and Door Strikes

LFR 1 und LFR 3 Control Motor Locks

The doorLoxx® LFR series consists of battery-operated readers with integrated control for compatible motor locks, such as the BKS 1970 and 2170. With the IOD 1 module, it is also possible to control other locks or gates. The solution of battery-operated readers and the motor lock offers optimal user comfort and easy installation without complex cabling. The LFR 1 or LFR 3 is placed on the door leaf over the PZ cylinder and connected to the motor lock via a short cable. In case a mechanical emergency opening is necessary, the LFR 1 and LFR 3 can be removed, and the PZ cylinder used.

The LFR 1 and LFR 3 readers have an extremely low-power wake-up device, enabling a very long battery life. Visual and acoustic signals provide clear feedback to the user, even in bright daylight. Various control functions, such as the „Office function," „Permanent open," or „Toggle mode," are integrated as standard. Every operation, along with the battery status, is transmitted via airLink to the airLink Spot and thus to the Commander Connect software.

- ⊘ Easy installation and use
- ⊘ Mechanical emergency opening possible
- ⊘ Modern design with long battery life
- ⊘ Various operating modes: Office, Permanent open, Toggle, and more
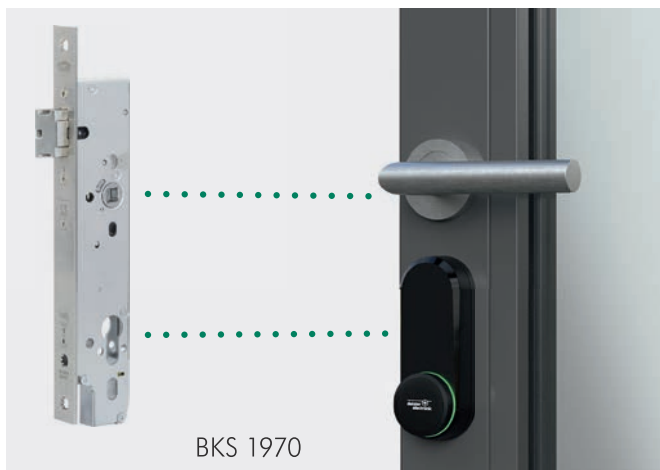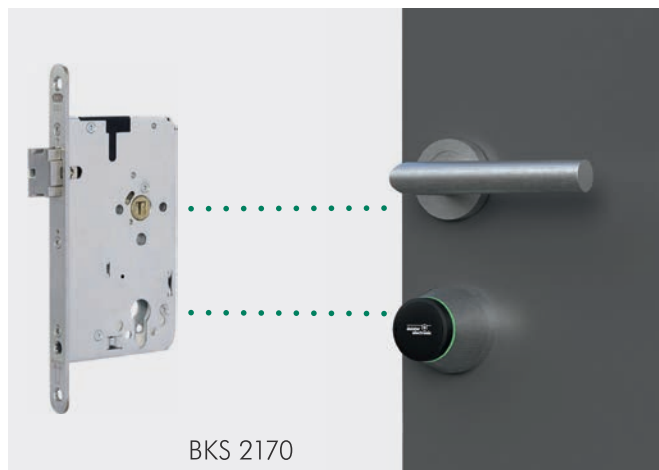

IOD 1

LFR 1

LFR 3

BKS 1970

BKS 2170

WCU 1 V2 Steuermodul

The doorLoxx® WCU1 is an intelligent door control module that offers two inputs and one output for connecting sensors and actuators in the door area.

This module combines the benefits of online functionality with the simplicity of electronic locking systems. The WCU1 is delivered in a compact flush-mounted housing and comes standard with an integrated reader. The flush-mounted housing can be integrated into various European switch programs, such as Gira, Jung, Busch-Jaeger, etc., using spacers and cover plates.

✅ Combines online features with the simplicity of electronic locking systems

✅ Compact flush-mounted housing compatible with various switch programs

WCU 1
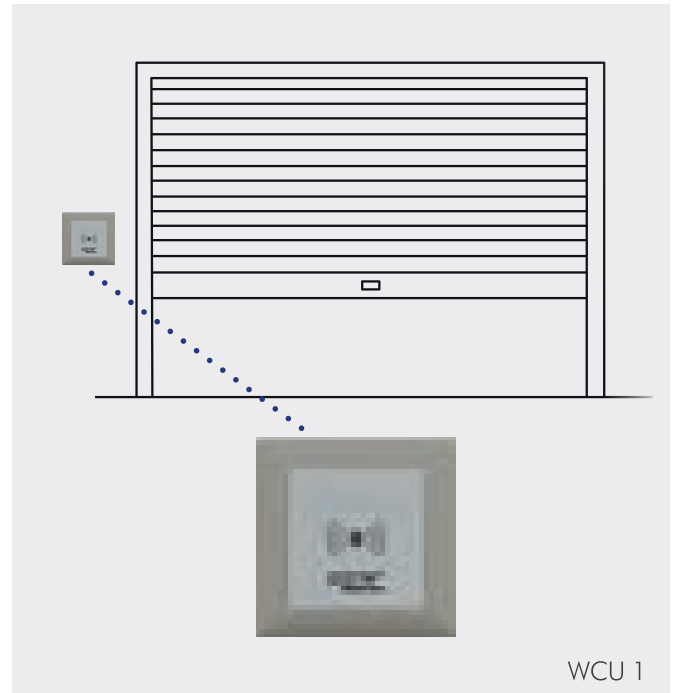
WCU2 Door Control Module

The doorLoxx® WCU2 is an intelligent door control module. Similar to a controller, the WCU2 provides multiple I/Os for connecting sensors and actuators in the door area, as well as an interface for connecting another deister-compatible reader. Integration into the access control system is done like an electronic locking component.

Thus, the WCU2 combines features from the online world with the simplicity of electronic locking systems. In its standard configuration, a reader is also included in the WCU2. For higher security requirements, the WCU2 door control module can remain as a control unit in the inner area, with an additional remote reader mounted in the unprotected area.

✅ Combines online features with the simplicity of electronic locking systems

✅ An additional reader can be connected

WCU 2
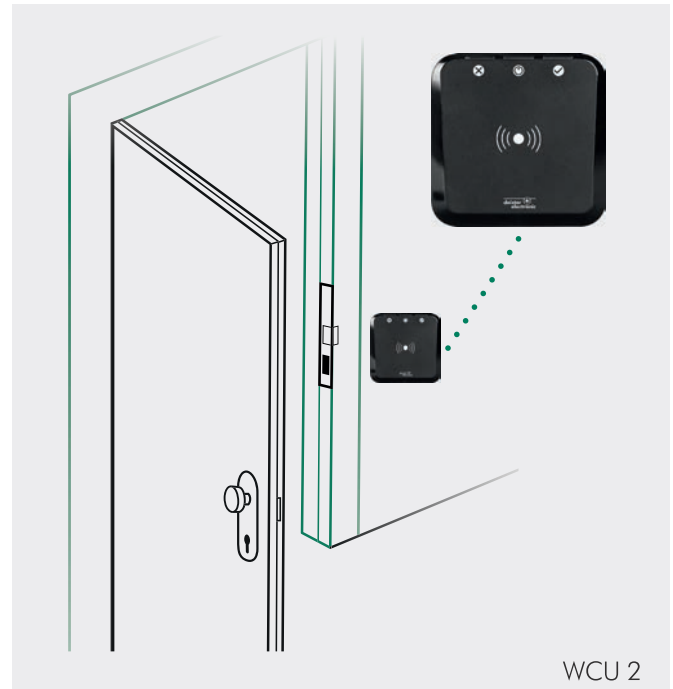
airLink® Wireless Connection

airLink® is a highly secure wireless connection used for communication between deister components. It can achieve ranges of up to 30 m indoors and 100 m outdoors. The ALS 20 serves as an airLink® wireless gateway for connecting electronic locking components. Each use of an electronic locking system within range is transmitted, along with battery status, to the airLink® Spot and then to the Commander Connect software. To minimize wiring, there's the airLink® Spot with PoE power supply, the ALS 20 P. In addition to normal communication between locking components, there's also a „heartbeat" function, which continuously monitors component function, battery status, and overall presence using the airLink® Spot. Query cycles can be flexibly adjusted to ensure operational reliability.

- ⊘ Wide range with stable connection
- ⊘ Available optionally as a PoE variant
- ⊘ „Heartbeat" ensures operational reliability
- ⊘ Establishes an online connection to the Commander Connect software

ALS 20

VEHICLE IDENTIFICATION

tranSpeed®

Vehicle Identification

High-Performance and Accurate Long-Range Identification

tranSpeed® is a system for long-range identification based on passive UHF-RFID technology. Transponders are attached to or installed in vehicles and can be read by a long-range reader from several meters away. The transponders are available in multiple form factors, including windshield transponders, dual-technology transponders, or for bumper mounting. With the use of a controller, barriers or gates can be managed with ease. Typical applications include access control to parking lots or restricted areas. The installation is very straightforward, as there are various tools available to assist with it. The adjustment of the range can be done with special service cards that are simply held in the reading field. The POC is specifically designed for finding the optimal position for the windshield transponder. This device clearly indicates the position where the transponder can be optimally read through visual signals.

TSU 200 Long-Range Reader

The TSU 200 is a compact and robust long-range reader for passive UHF transponders. The waterproof housing makes it suitable for outdoor use. With a range of up to 7 meters and commissioning via the auto-tune mode, the TSU 200 is ideal for applications such as access control.

- ✓ Waterproof and very robust IP67 housing
- ✓ Large reading range up to 7 meters
- ✓ Automatic commissioning via auto-tune mode

TSU 200

Website: Materials:

Transponder

Windshield

The tranSpeed® TPU3082 is an adhesive passive UHF transponder for the windshield. It is highly secure, encrypted with the deister smartFrame. The vignette function prevents unauthorized removal of the transponder without damage. With an additional sticker, the range of the TPU3082 per vehicle can be adjusted, ensuring reliable detection of all vehicles in the same position.

✓ High-security encryption with deister smartFrame

✓ Tamper-proof vignette function

TPU 3082

Driver and Vehicle

The tranSpeed® TPU 7461 is a dual-technology identification device that allows the driver to be identified at the access point as well as at the building doors. The TPU 7461 integrates both MIFARE® DESFire, cipher-ID, and passive UHF technology with smartFrame. The specially developed, patented antenna technology in the transponder ensures optimal performance at the card reader and reliable long-range identification of the user, whether held in hand or worn on the body. The TPU 3150 is a UHF-only card, while the UDC 170 is designed for mounting on the vehicle's body.

✓ High-security encryption through deister smartFrame

✓ Maximum range for HF and UHF

TPU 7461   TPU 3150

UDC 170

POC

The tranSpeed® POC is a measuring device used to determine the optimal mounting position for passive UHF transponders on the windshield. The POC identifies where the field strength is strong enough to ensure reliable use of a UHF transponder.

The POC is simple to operate – an LED lights up as soon as the field strength is sufficient to ensure proper identification. This test is especially important for modern vehicles, where UV shielding, tinted windows, or window heating are installed.

POC

SECURITY GUARD SYSTEMS

*data*Log®

Website:

Materias:

Security and Service Management

Efficiently Manage and Control Services

dataLog systems are used for scheduling and monitoring services in security and patrol, facility cleaning, or similar sectors. Personnel record their services by scanning RFID checkpoints with the guardiX® data collector or using NFC™ on their smartphones. The software provides extensive reporting features to document and verify service quality. Additionally, smartphones enable cloud-based real-time functions for employee protection and information exchange. The hybrid system guardiX Connect® allows for reading guardiX® data collectors via the cloud. The guardiX Connect® docking station securely transmits data to the central software through the cloud. This combines the simplicity and robustness of the guardiX® data collector with the advantages of cloud-based data transmission.

✓ Offline, hybrid, and cloud-based systems ✓ Very robust and durable data collectors

Checkpoints and Event Cards

The dataLog® KSC 30 and KSC 35 D RFID checkpoints are programmable and designed for outdoor use. The KSC 30 checkpoint is compatible with the guardiX® data collector, while the KSC 35 D, as a dual-frequency checkpoint, can also be read via NFC with a smartphone and deisterCheck. To capture events, dataLog® event cards can be used, which can also be read via RFID.

KSC 30   KSC 35 D   KSC-E 021-030

Offline Solution

The dataLog offline solution consists of the guardiX® data collector and the guardTrans docking station. This simple system offers the advantage that all users can perform rounds without further training. The user simply holds the data collector in front of the checkpoint and receives feedback that the checkpoint has been read. The data is then securely read out via the docking station.

✓ Very long battery life of the data collector

✓ Robust housing design and easy operation

guardTrans   guardiX®
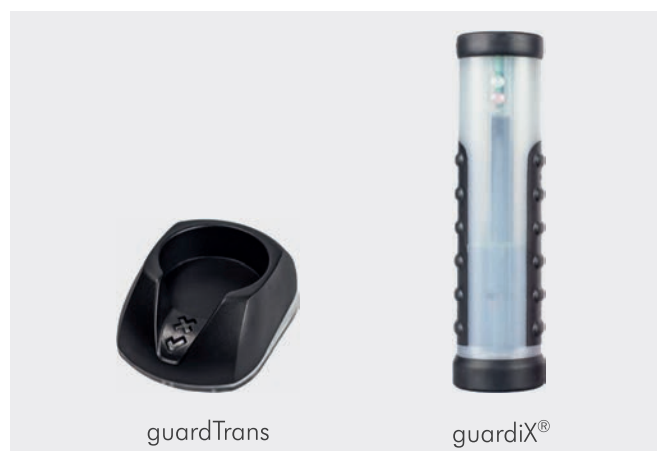
Hybrid Solution

guardiX Connect® is a cloud docking station that transmits your data to the central software via the mobile network. The user conducts the patrol as usual using the guardiX® data collector. Once the patrol is completed, the data from the data collector is read by the guardiX Connect® docking station and sent via the cloud. This allows guardiX Connect® to equip separate security services, patrol, and intervention vehicles.

✓ Ideal for separate security services, patrol, and intervention drivers

✓ Remote data transmission of completed rounds via the mobile network

guardiX Connect®   guardiX®

Cloud Solution

The dataLog cloud solution is based on the deisterCheck app, which works with deister dual-frequency checkpoints as well as other NFC-based checkpoints. The advantage of using KSC 35 D checkpoints is that they can be read by both established offline data collectors like the guardiX® and the deisterCheck app via NFC, using the same checkpoint numbers. This makes it easy to adopt and expand existing number ranges and already installed checkpoints. The deisterCheck app is user-friendly and offers numerous features to show the user the round's progress and log events. The man-down alarm and geo-tracking protect the user.

✓ Real-time features like tracking and man-down alarm

✓ Dual-frequency checkpoints allow combined use via guardiX® and deisterCheck app

deisterCheck
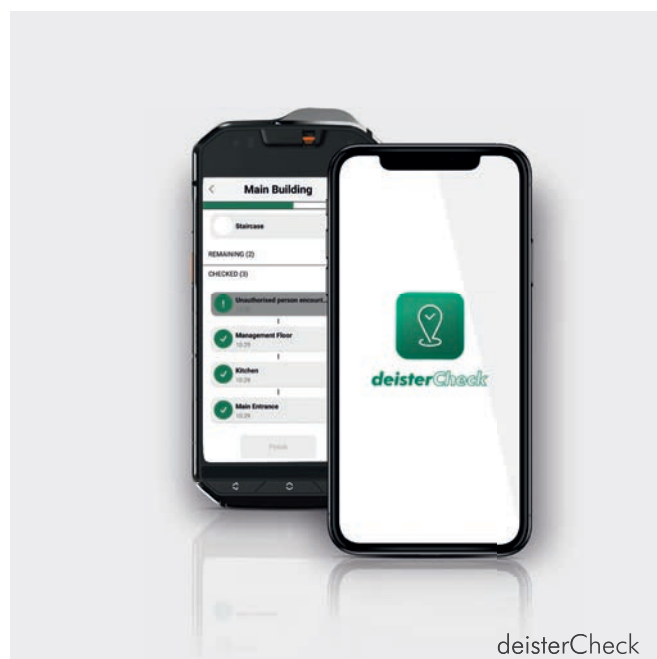
PERSONAL PROTECTION AND LOCALIZATION

amanTag®

Websites:

Materials:

Personal Protection Systems

Protection and Localization for Staff, Patients, and Newborns

amanTag® is a localization and personal protection system used, for example, to protect dementia patients as the SeniorGuard system and newborns as the BabyGuard system. The amanTag® system can be used for automatic access control and for the localization of personnel and patients. Patients and staff wear active transponders, which are detected by a locator at strategically important positions, such as an exterior door. Alarms are automatically triggered, or a door is controlled accordingly to prevent individuals from leaving the designated area unnoticed. The advanced dual-frequency technology prevents shielding by the body or other materials, making the amanTag® system extremely reliable.

The basic technology of amanTag® can be used in various applications and products. The amanTag® handle can be particularly useful in areas where dementia patients reside permanently. Access can be granted only to personally occupied rooms. The loxxIn® system automatically controls the screen of a PC to prevent unauthorized access to patient data by third parties. This data is only readable when an authorized person is at the workstation, ensuring GDPR-compliant protection of patient data.

In radiation therapy for patients, the linear accelerator releases the radiation only when all personnel have left the treatment room. The loxxOpen® system only authorizes the radiation process when the room is empty.

- ✓ Reliable dual-frequency technology
- ✓ Protection of patient data with the loxxIn system
- ✓ Localization and protection of staff and patients
- ✓ Long battery life of transponders
- ✓ SeniorGuard protects individuals with dementia
- ✓ BabyGuard protects mother and child

www.deister.com

LCA 500 Locator

The amanTag® LCA 500 is a locator that reliably detects active amanTag® transponders at a distance of up to 5 meters. Additional actions can be triggered via various inputs and outputs, such as opening an automatic door or activating an alarm. Optionally, a beeper and LEDs can indicate the status of the locator and acknowledge the detection of a transponder. The locators can be programmed with multiple „action profiles" to automatically activate specific actions depending on the type of transponder detected.

- ✓ Programmable logic for automatic activation of specific actions
- ✓ Reliable detection of transponders
- ✓ Reading range up to 5 meters

LCA 500

Transponder

Patients

The amanTag® UTA 1, UTA 2, and UTA 3 are active patient transponders available in various designs and worn on the wrist. The UTA1 also features a button for sending an emergency call.

The amanTag® BTA1 is specifically designed for newborns and is placed in the diaper pocket of the baby. The transponders are detected by the locator using a special dual-frequency technology, which ensures reliable functionality while preserving the transponder's battery life.

- ✓ Various designs and wearing options
- ✓ Reliable reception, even through the body

BTA 1   UTA 1   UTA 2   UTA 3
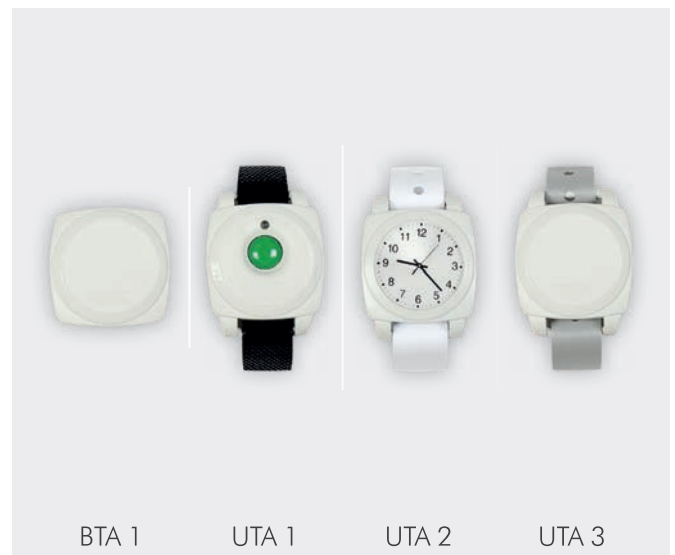
Staff

The amanTag® ATA 1, PSA 1, and PSA 3 transponders are active staff transponders and can use optional buttons to trigger actions, such as emitting an active alarm within a 25-meter radius, acknowledging, and deactivating it.

- ✓ Buttons for special staff actions

ATA 1   PSA 1   PSA 3

Monitoring protection for newborns

Optimal Protection Against Baby Abduction and Mix-Ups in Maternity Wards

The intelligent security technology provides comprehensive protection against the abduction and mix-up of newborns. BabyGuard® significantly enhances the safety of maternity ward operations while also boosting the clinic's reputation by showcasing its commitment to duty of care with a professional, practical system solution.

By integrating with a hospital's nurse call system, the solution from deister electronic enables the use of various administrative functions, alert options, and automated reporting.

Reliable Detection

The dual-frequency technology allows for very accurate and reliable detection of active transponders, regardless of where the staff or patient carries the transponder. Even intentional hiding in pockets, backpacks, or body cavities, or attempts to deliberately shield the transponder do not hinder the system's functionality. Transponders are reliably detected through textiles and even through the human body. Multiple transponders can also be detected simultaneously without any problems, enabling applications such as newborn protection, where both mother and child are detected together.

✓ Detection of multiple transponders in one reading field

Direction Detection

The amanTag® Locator, by linking two locators together, not only has the ability to detect the presence of a transponder but also to precisely determine the direction of movement. By extending the activation range, it can reliably and promptly identify whether a user is entering or leaving a defined area. Additionally, the system provides an accurate overview of how many and which individuals are currently present in a specific room.

✓ User localization through direction detection

LAUNDRY MANAGEMENT SYSTEMS

teXtag®

Website:

Materials:

Intelligent Textile Management

Efficient Management of Workwear

textag® is a system for managing clothing, uniforms, and textiles using UHF-RFID transponders embedded in the garments to electronically handle issuance and returns. The textag® system includes electronic dispensing and return lockers that can be installed throughout a building to decentralize the distribution and return of fresh clothing. Additionally, gates, turnstiles, and information terminals for central clothing distribution rooms are part of the textag® solution. Combined with powerful management and analytics software, customers can ensure transparency in usage, optimize their inventory, and reduce costs. This also guarantees better availability of the designated clothing and appropriate sizes for all employees.

- ⊘ Transparency in inventory and laundry consumption
- ⊘ Cost reduction through inventory optimization
- ⊘ Improved availability of appropriate clothing sizes

Delivery

Return

Info

Dispensing

www.deister.com

TCD 200 Dispensing Cabinet

In the textag® TCD 200 V2 dispensing cabinet, up to 200 textiles can be stored and managed in a space-saving manner thanks to its compact design. The user first identifies themselves with their identification medium at the RFID reader integrated into the handle. The cabinet opens, and the clothing can be retrieved in seconds - even simultaneously if multiple users are retrieving from multiple cabinets in parallel. The currently released cabinet is indicated by a green, visible LED. Each retrieval is electronically recorded and charged to the user's account.

⊘ Standalone capability during network outages

⊘ Parallel operation of multiple lockers possible

⊘ Retrieval in under 5 seconds

⊘ Status LED on each cabinet

TCD 200

TCR Series Return Cabinets

The textag® TCR cabinet series are intelligent return cabinets available in various sizes. Sizes 200, 250, and 300 are dimensioned to fit typical mesh trolleys. In the TCR 50, the clothing is collected in a standard laundry bag. The user deposits their dirty laundry through the return flap. The cabinet automatically detects the dirty laundry via RFID, and the user's clothing account is accordingly credited. Optionally, defective clothing can be marked as such by pressing a button during deposit, and an RFID reader can be installed for user identification.

⊘ Various cabinet sizes to fit standard laundry trolleys

⊘ Optional function button to mark defective laundry items

⊘ Status LED on each cabinet

TCR 50   TCR 200   TCR 250   TCR 300

texCarousel (Bidirectional)

The textag® texCarousel is an intelligent revolving gate that automatically manages access to a central clothing distribution area. Users enter and/or exit the central supply room (texRoom) through the texCarousel. As they pass through, the clothing they are wearing is automatically detected via RFID—whether on their body or in their hand—and credited to the employee's account. The texCarousel separates users, ensuring that the detected clothing is accurately assigned to the correct account. Colored lights signal if excess clothing has been taken. The texCarousel is fail-safe and equipped with an emergency stop button, allowing the brakes to be released and the texRoom to be exited with the necessary clothing at any time, even in the event of a power outage or technical malfunction.

- ⊘ Passage direction adjustable: Entry, Exit, or Bidirectional
- ⊘ Passage in under 4 seconds
- ⊘ Automatic detection of removed clothing without delay

texCarousel

flapGate (Unidirectional)

The textag® flapGate is an intelligent gate that both credits the clothing removed by users to their accounts and serves as an access point for the delivery of fresh laundry.

Users enter the clothing area (texRoom) through a separate entrance (e.g., a texCarousel) and retrieve the desired clothing. When leaving the room through the flapGate, the clothing is detected via RFID and credited to the user's account. If too much clothing is taken, the flapGate does not open. Suppliers with special permissions can open the flapGate from the outside to access the texRoom with a grid container for loading fresh laundry.

- ⊘ Exit gate for users and access point for loading within a single gate
- ⊘ Prevention of user account overdraft (optional)
- ⊘ Under 20 seconds per passage


Exit

Loading

flapGate

transferGate

The textag® transferGate is an intelligent gate for delivering fresh laundry to the central clothing distribution area (texRoom). The transferGate is dimensioned to accommodate all typical grid containers.

Automatically, all clothing in the grid container is detected via RFID and credited to the texRoom. A green signal light indicates to the loader that the transferGate is active and the clothing is being detected. The open design and translucent roof avoid a feeling of confinement.

✓ Works without doors, reducing passage time

✓ Open design prevents feeling of confinement

✓ Standalone capable in case of network failures

Loading

transferGate
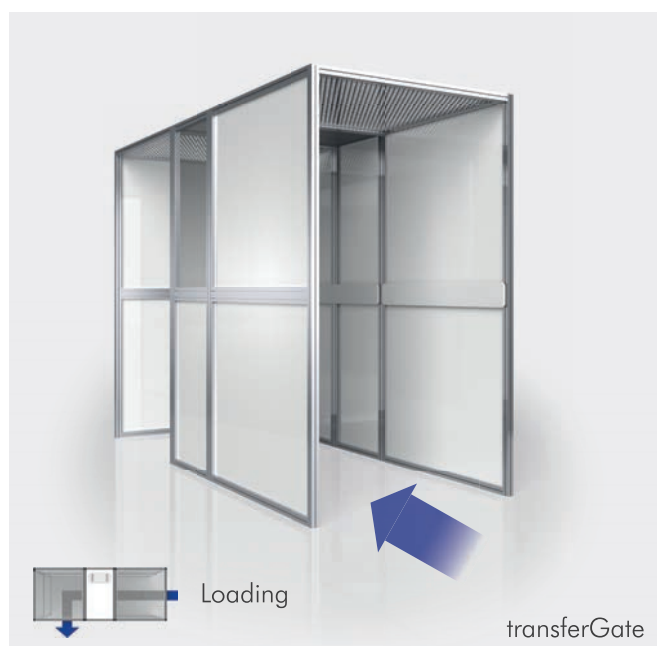
Booking Station

The textag® texCheck is a manual booking station where users can manually credit and debit clothing items to their account. The texCheck is the perfect complement to any textag® system, allowing users and administrators to make quick and uncomplicated corrections or manual single transactions for special items.

✓ Quick and easy correction of user accounts

✓ User-friendly menu navigation without training

✓ Avoidance of misreads through precise reading area for laundry transponders

Info Terminal

The textag® texInfo is an information terminal where users can check their account balance at any time. The user identifies themselves with their ID medium at the integrated RFID reader and their account balance is displayed clearly. This allows users to review and track their withdrawals and returns at any time, in case the textag® system denies them the withdrawal.

✓ Quick and easy account overview

✓ User-friendly menu navigation without training

✓ Traceability and transparency of one's own withdrawal behavior

texCheck

texInfo
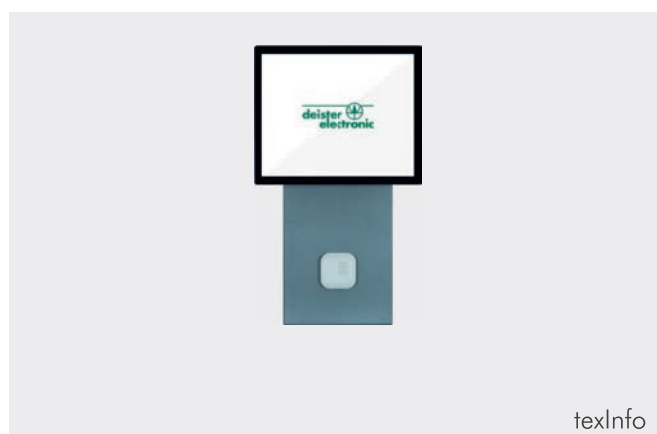
COMMANDER CONNECT

Central Management Software

One Software, All Systems

The server-based software Commander Connect is the central nervous system for all deister electronic solutions. It brings together and manages all connected devices, serving as the hub where all information streams converge – notifications, alarms, reports on technical issues, and more. Additionally, it is where all permissions for access, usage, and withdrawals are defined. Optional add-ons and apps can further expand its functionality, providing notifications and operating features on smartphones. Workflows enable system automation and offer countless possibilities to interconnect various software and hardware functions freely.

System Scalability

The Commander Connect software is a scalable system that can be continually expanded to precisely fit your system size.

- ✓ Up to 1,000,000 active users
- ✓ Up to 6,000,000 identification media
- ✓ Up to 10,000 access points (doors, barriers, etc.)
- ✓ Up to 10,000,000 active items (textag® clothing)
- ✓ Up to 100 time profiles
- ✓ Unlimited user groups

Basic License

Includes all features and device licenses necessary to set up a basic system for any deister solution:

- ⊘ Rights management
- ⊘ User management
- ⊘ Device configuration
- ⊘ Reporting
- ⊘ Workflow automation

Extentions

- ⊘ More Admins
- ⊘ More User
- ⊘ More Articles
- ⊘ More devices
- ⊘ More keyTags

... and many more

Modules

- ⊘ FLM - Fleet Management
  Intelligent reports
  More details & analytics

- ⊘ EXR - Extended Reports
 Intelligent reports
  More details & analytics

- ⊘ VIM - Visitor Management
  New user type „Visitor"
  Additional features

- ⊘ CSO - High Security
  4-6 eye concept for keyTag removal
  Additional security features

... and many more

syncTool

The syncTool is a lightweight alternative to integration for synchronizing data from third-party software with Commander. It enables intelligent and automatic data import and export with simultaneous data formatting.
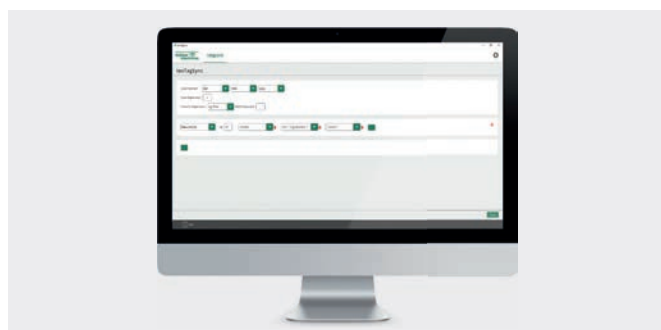
Webservice

The standardized webservice interface allows for easy integration with the Commander software. Third-party providers can synchronize data using the standardized API.
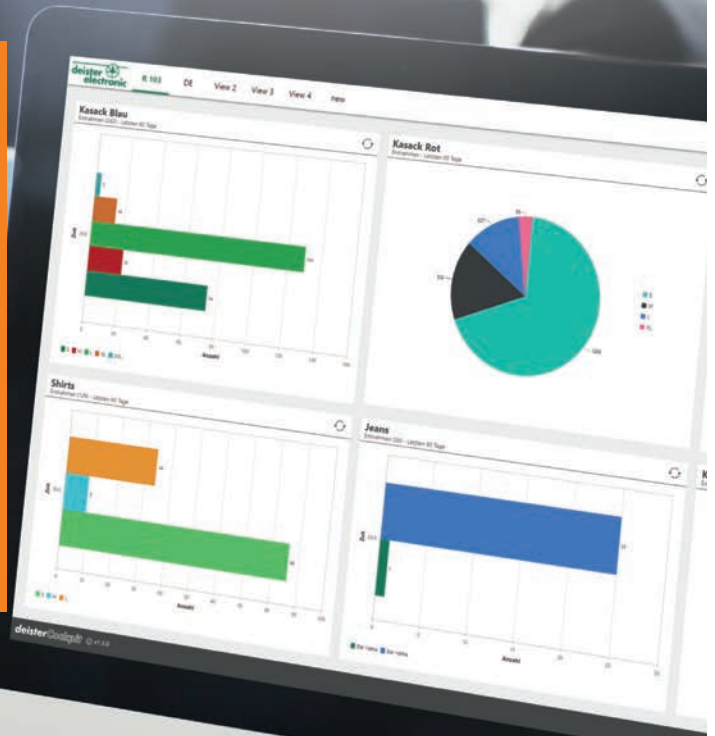

Integrations

| advancis | AMAG TECHNOLOGY A G4S COMPANY | LENEL:S2 | SOFTWARE HOUSE | More information at our website |

DEISTER COCKPIT

User Software for Everyday Use
Customizable Interfaces for Every User

The deisterCockpit is a fully customizable add-on module for the management software Commander Connect. Here, many different functions and information can be set up exactly as customers need for their very individual use case. Initially practically a blank sheet of paper, a variety of different widgets can be freely placed in the deisterCockpit. These range from statistics and detailed reports to control functions – for example, new users can be created directly here, video streams can be displayed, inventories can be checked, or remote functions can be operated via button.

www.deister.com

Monitoring

With the deisterCockpit, you always have an overview of the status and all important events in the system. Receive your desired device data and user activities in real time, 24/7.

Data Analysis

Create your individual overview of the reports, key figures, and statistics that are important to you. Have the data prepared individually and choose how it should be presented. This way, you gain deep insights into the usage of your system.
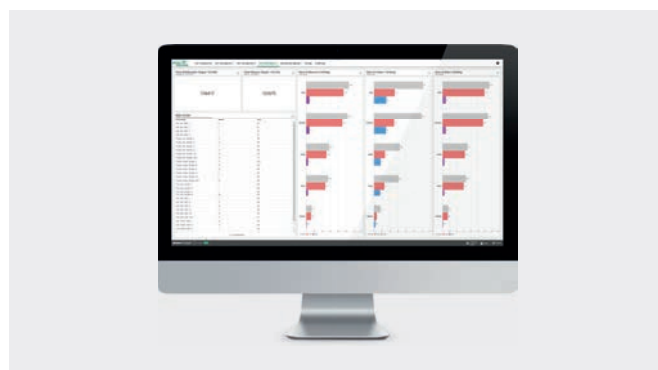
Administration

Simplified interfaces for quick everyday administration, easy to use even without training. Customize your own interfaces to include only the functions you need.

Operation

Conveniently operate our systems from your workplace and control all functions remotely, such as opening doors and gates or releasing keys. User rights can be individually set for each user.

Tor öffnen

MOBILE APPS

Webseite:

Materialien:

The Smartphone Becomes the Command Center
All Features and Functions Always with You

With our smartphone apps, our customers have access to all crucial information and functions of their deister electronic systems even while on the go. The deisterGo app provides personalized important information to individual users. The deisterWallet app enables the operation of most of our devices directly from a smartphone.

As we align the user interfaces of our apps with current trends in the smartphone industry, deisterGo and deisterWallet are and will remain user-friendly and intuitive to use.

deisterCloud

The deisterCloud serves as a routing service for all smartphone data. All data in the cloud is always encrypted, ensuring there is no security risk. Data can be transmitted in real-time via the cloud, and user login as well as the bidirectional exchange to and from the user are always possible.

If the connection to the cloud is interrupted, the smartphone stores the data locally until the connection is restored – then the data is synchronized without loss, ensuring nothing is lost and all timestamps are accurately recorded.

deisterGo App

With deisterGo, deister systems can be monitored on the go. Many types of notifications can be individually set up as needed. The app works seamlessly with all deister systems – from access control, key management, and electronic locker systems to textile management, guard and facility security, personal protection, and digital locking systems. All notifications can be configured and managed centrally in the Commander Connect software.

- ✅ Notification Alerts notify about events or malfunctions in real-time
- ✅ Notifications inform all desired users in your system
- ✅ For a smooth operation, notifications can be automatically configured
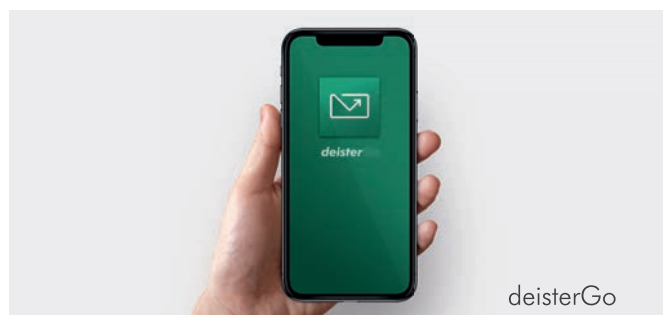
deisterGo

deisterWallet App

With the deisterWallet app, all withdrawals and returns of keys or objects can be conveniently carried out via smartphones. The app also shows whether keys, for example, are currently available. Additionally, the app controls access to doors and gates secured with deister systems, so no additional identification media are needed. Access rights are transmitted from Commander Connect to smartphones via the deisterCloud.

- ✅ Operate many deister electronic products via Bluetooth® or cloud on request
- ✅ Can be used as a standalone identification medium or in parallel with existing identification media
- ✅ Quickly and easily check on the go if the desired key is available

deisterWallet

deisterCheck App

The dataLog® cloud solution is based on the deisterCheck app, which works with both deister dual-frequency checkpoints and other NFC-based checkpoints. The advantage of using KSC 35 D checkpoints is that they can read the same checkpoint number from both established offline data collectors, like the guardiX®, and the deisterCheck app via NFC. This allows existing number ranges and already installed checkpoints to be easily adopted and expanded. The deisterCheck app is user-friendly and offers numerous features to show the user the patrol sequence, log events, and record additional details. Furthermore, functions such as man-down alarm and geo-tracking protect the user.

- ✅ Real-time features like tracking and man-down alarm
- ✅ Dual-frequency checkpoints allow combined use via guardiX and deisterCheck app
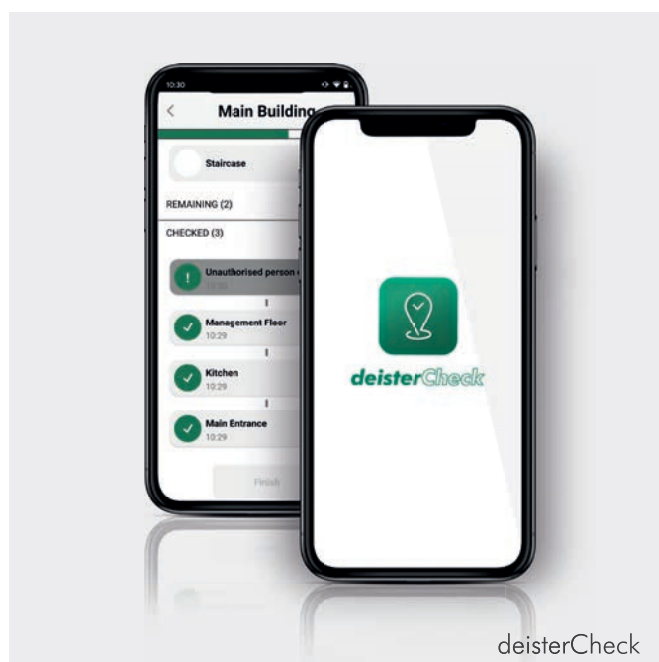
deisterCheck

COMPONENTS

# Readers, Identification Media, and More
Secure, Flexible, and Modern

deister electronic has played a significant role in the development and shaping of RFID technology as it is widely used today. This profound knowledge positions us as absolute specialists in analyzing existing customer cards and migrating old technology to modern, new technology.

We are here to support you as a customer not only through sales but also on a technical level. With our config-Tools, you can configure your readers with protocols and update firmware that you receive from us. This process becomes even easier and more direct with our configConnect ecosystem. Here, you can download the necessary data and files yourself, enjoying full flexibility in handling deister electronic readers.

Card Analysis

Your access control should ensure that your cards and readers are not the weakest link in the security chain. Unfortunately, many companies still use technology that is decades old. As security experts, we can quickly and easily analyze your cards and assemble the right, future-proof access solution for you. All we need are a few cards that are currently in use at your site.
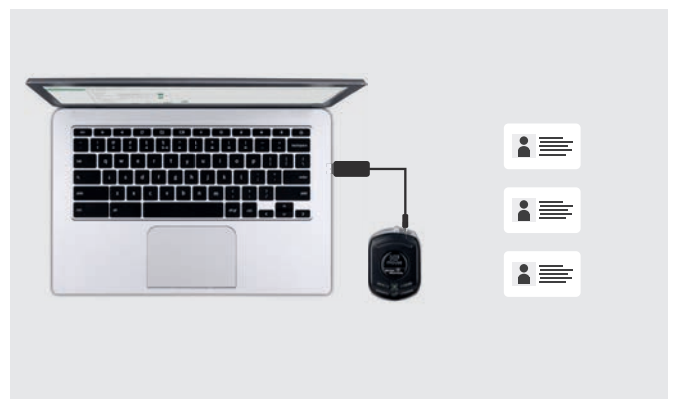
Components Access Control

Infinity Reader™

The Infinity Reader™ is a high-performance access reader available in various designs suitable for EU and US flush-mounted boxes. They are available as single and dual technology readers and can support an additional communication technology such as Bluetooth® via an add-on module. All common reading technologies can be read by the readers, making it easy to switch from an existing access control system with insecure identification media during operation. Identification at the access reader can also be done using a smartphone and wallet apps. The timeless design creates a high-quality look, and the proven reading performance ensures quick and smooth operation. The LEDs on the readers clearly indicate the status to the user. Even users with red-green colour blindness can recognise the status of the readers based on the LED positions. The keypad readers offer high-quality, backlit keys, allowing optimal operation day and night.

PRx 6 EU

KPx 6 EU

PRx 6 US

KRx 6 US

PRx 3

KPx 3

BDx 16 Biometric Verification

The bioProx® reader BDx 16 is a combined RFID reader that simultaneously verifies the user through fingerprint recognition. The BDx 16 incorporates an optical CMOS fingerprint sensor and a replaceable RFID reader. The fingerprint templates are stored exclusively in compliance with GDPR on the user's ID media. The BDx 16 supports all common protocols and can be connected to a controller like a conventional deister reader.

✓ Optical HD fingerprint sensor and RFID reader compactly housed in one unit

✓ Data storage solely on the ID media

BDx 16

QRT 8 QR- and Barcode

The QRT 8 is an RFID, QR code, and barcode reader that simultaneously supports a wide range of optical identification media as well as all common RFID technologies.

The integrated camera scanner is particularly powerful with optical codes presented via smartphone. It ensures seamless integration and supports a variety of established standard protocols and interfaces, such as Wiegand, RS485, OSDP v2, deBus, etc.

- ✓ Ideal combination of optical and RFID-based identification media
- ✓ Compatible with all established standard protocols and interfaces

QRT 8

SCB 2/5 cipherBox®

The cipherBox® enables a cost-effective upgrade of existing access control systems to secure card technology without the need to adjust or replace controllers and software. Installed securely between the reader and the controller, the cipherBox® decrypts and translates data from new secure identification media for the controller, eliminating the need for adjustments or replacements.

- ✓ Supports cryptography in SAM modules

Reader   SCB 2/5   Controller
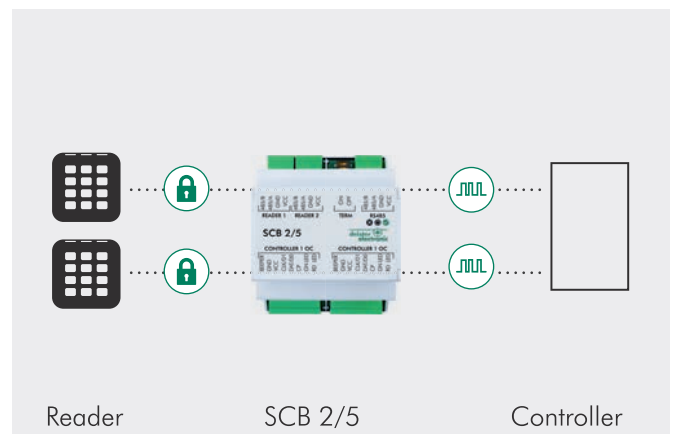
SRL 1 Swing handle with RFID reader

The SRL1 combines advanced electronic locking technology for server cabinets with a powerful RFID reader. This combination ensures the highest security through smart access controls while providing maximum flexibility in use. In addition to access control, the system also allows for monitoring of server doors and cages. It is suitable for a wide range of applications and ensures easy installation and reliable real-time monitoring.

All common transponder technologies and frequencies are supported, allowing users to utilize their existing identification media in this area as well. Integrated control inputs and outputs enable seamless management and security of server cabinets.
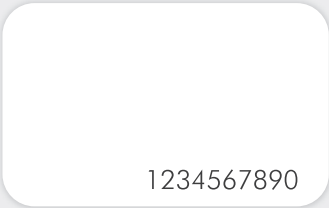
⊘ Compatible with all common transponder technologies

⊘ Control and monitoring of the server door

SRL 1

cipher Credentials

Our cipher identification media are available as user cards (cipherCard®), key fobs (cipherFob®), or for smartphone wallets (cipherPass®). They offer the highest standards for data security and tamper protection, while also providing the necessary flexibility to integrate custom applications. We can deliver the identification media pre-programmed, or provide you with the tools to program them yourself.

To achieve a high level of security, all cipher identification media come with pre-coded security features. With the deister configTool, it is therefore very easy and secure to program your own credentials or cipher identification media.

1234567890

cipherCard®

DESfire 8 kB | Mifare1kB

125 kHz | DESfire + 125 kHz

tranSpeed UHF

tranSpeed UHF + DESfire

cipherFob®

DESfire 8 kB

125 kHz

configTool

proxEntry® readers are delivered in what is called Shipping Mode. Using the configTool software, the readers can be customized according to user-specific requirements. The RDL 6 desktop programmer creates the necessary configCards for configuring the readers. Alternatively, the desired configuration data can be loaded via the serial interface and the SNG 3 interface converter.

The process is simple and user-friendly, making it easy for non-experts to perform. Matching stickers with the configNumber for labeling the reader are automatically generated, optimizing logistics.

Additionally, the configTool allows you to program and print user cards. A card printer with an integrated programming unit is available for this purpose. The RDL 6 desktop programmer can also program cipherFobs.

- ⊘ Independent configuration and integration into existing systems possible
- ⊘ Access to software and firmware via configConnect
- ⊘ Independent card programming and printing tool

Card Printer

configCard

masterCard
configCard

RDL6

SNG3

Label Printer

57132
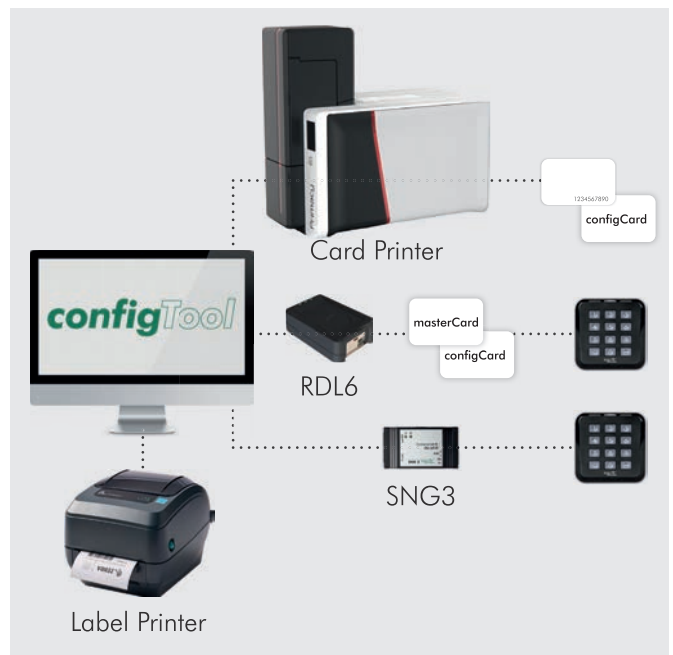
Transition Management

We are happy to accompany you from your existing access control system to our modern and highly secure access control system. We can make the transition comfortable and seamless for your users by making our access control readers temporarily compatible with both the existing and our new identification media. Once everyone has received a new access card, the old technology can be practically disabled with a mouse click – allowing us to transition smoothly into a secure future together.

We are true experts in RFID and have either developed or co-developed many of today's common RFID standards and protocols such as MIFARE®, OSDP, CASI-RU-SCO®, and many more. This enables us to assist you in transitioning from your old technologies to new, modern, secure, and cost-effective technologies.

- ⊘ Flexible Readers for Old and New Identification Media
- ⊘ Consultation and Support for a Seamless Transition
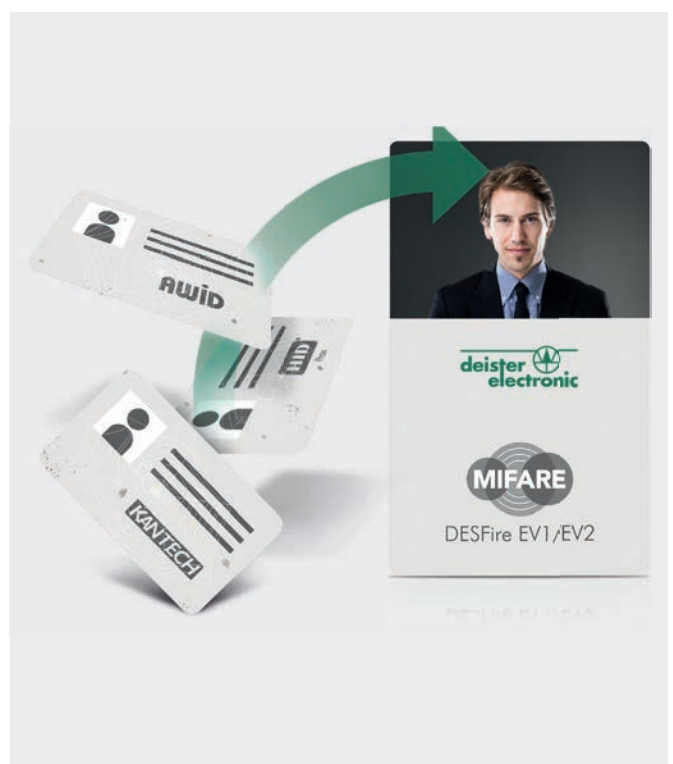
cipherPrograms

The various cipherPrograms support you in introducing entirely new identification media and readers, or in migrating from an old, insecure technology to one suitable for your current situation:

Unique

The cipher program "Unique" offers individual security features and encryption keysets that are specifically generated for each customer. The management of all security features in deister readers and identification media is carried out by deister electronic on behalf of the customer. This all-inclusive package ensures that only the customer's identification media work in the system and no security gaps arise.

Flex

The cipher program "Flex" offers individual security features and encryption keysets that are specifically generated for each customer. deister electronic manages the security features and provides the customer with user-friendly configuration tools. This gives the customer maximum flexibility to configure the deister readers according to the system requirements. Identification media can also be obtained from deister in this cipher program and independently programmed to match the reader configurations. By purchasing deister programming tokens, even third-party identification media can be acquired without compromising security.

Custom

The cipher program "Custom" offers the customer complete freedom in creating and managing their security features, as well as the technical configuration of readers and identification media. deister electronic provides user-friendly configuration tools and, if needed, offers expert advice on security features, configuring deister readers, and programming identification media from deister or third-party providers. The customer enjoys maximum freedom and autonomy in both managing their security features and choosing their sources of supply.

Vehicle Identification Components

TSU 200 – Long-Range Reader

The TSU 200 is a compact and robust long-range reader for passive UHF transponders. The water-protected housing allows for outdoor use. With a range of up to 7 meters and easy setup via Auto-Tune mode, the TSU 200 is ideal for applications such as access control.

With controllers and converters developed by deister electronic, the TSU 200 long-range readers can be easily integrated into existing third-party systems. This makes them suitable not only for traditional access control but also for use in rail transport, airports, or toll roads.

TSU 200

SIC – Interface Converter

With the SIC converters, the long-range reader can be connected to virtually any controller. We have already implemented a wide variety of protocols and can analyze and implement new protocols together with you. This allows you to continue using existing controllers and cost-efficiently switch to our long-range readers.

TSU 200   SIC   Controller

TPU 3082 – Windshield Transponder

The tranSpeed® TPU3082 is an adhesive passive UHF transponder for the windshield. It is highly secure, encrypted with the deister smartFrame. The vignette function prevents unauthorized removal of the transponder without damage. With an additional sticker, the range of the TPU3082 per vehicle can be adjusted, ensuring reliable detection of all vehicles in the same position.

✓ High-security encryption with deister smartFrame

✓ Tamper-proof vignette function

TPU 3082

Driver and Vehicle

The tranSpeed® TPU 7461 is a dual-technology identi-fication device that allows the driver to be identified at the access point as well as at the building doors. The TPU 7461 integrates both MIFARE® DESFire, cipher-ID, and passive UHF technology with smartFrame. The specially developed, patented antenna technology in the transponder ensures optimal performance at the card reader and reliable long-range identification of the user, whether held in hand or worn on the body. The TPU 3150 is a UHF-only card, while the UDC 170 is designed for mounting on the vehicle's body.

- ✓ High-security encryption through deister smartFrame
- ✓ Maximum range for HF and UHF

TPU 7461   TPU 3150

UDC 170

POC

The tranSpeed® POC is a measuring device used to determine the optimal mounting position for pas-sive UHF transponders on the windshield. The POC identifies where the field strength is strong enough to ensure reliable use of a UHF transponder.

The POC is simple to operate – an LED lights up as soon as the field strength is sufficient to ensure proper identification. This test is especially important for mod-ern vehicles, where UV shielding, tinted windows, or window heating are installed.

POC

SUPPORT

Manufacturer and Partner Support
Direct, Competent, and Worldwide

Unlike many other companies, at deister electronic, we develop all our technology in-house. This brings a deep understanding of our products, which helps us to solve problems with them effectively. Therefore, we provide professional technical support at all six of our global locations and through our trained partner network across borders.

Software Care Plan

With the Software Care Plan, customers have continuous access to security and feature updates for all software, apps, and cloud services from deister electronic. This ensures they are always up to date and protected against security vulnerabilities.

deisterDashboard

The deister Dashboard is the central platform for digital collaboration with customers and partners. Here, you can find the helpdesk and all necessary downloads for software, licenses, firmware, and documentation.

Website:

deister electronic

Helpdesk

Through our helpdesk, customers can raise a support ticket 24/7. Our experts from support and development are available during business hours to assist with technical queries.

Website:

Technical Training

We offer comprehensive technical training for all our customers and partners.

Customers receive professional training in operating their systems, while partners are trained by our experts on the installation and sale of our systems.

Website:

Global Reach

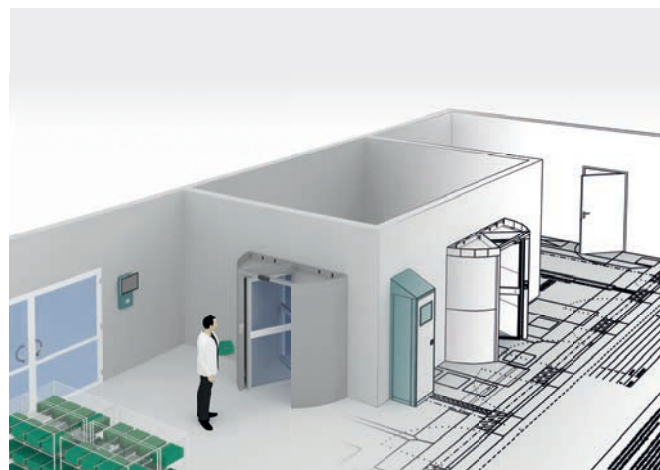Our six company locations worldwide cover all time zones and the entire globe.

They are supported by a strong and loyal partner network in all the countries where we are not directly represented by a branch.

Technical Consultation

Our technical know-how not only benefits our development but also our customers when we implement projects together with them.

We share it with our customers to ensure system solutions are planned for individual, optimal project configuration in 3D.

www.deister.com/en