dormakaba

Overview of access portfolio for online peripherals

central or local –
varied combinations


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Every entrance and building is different

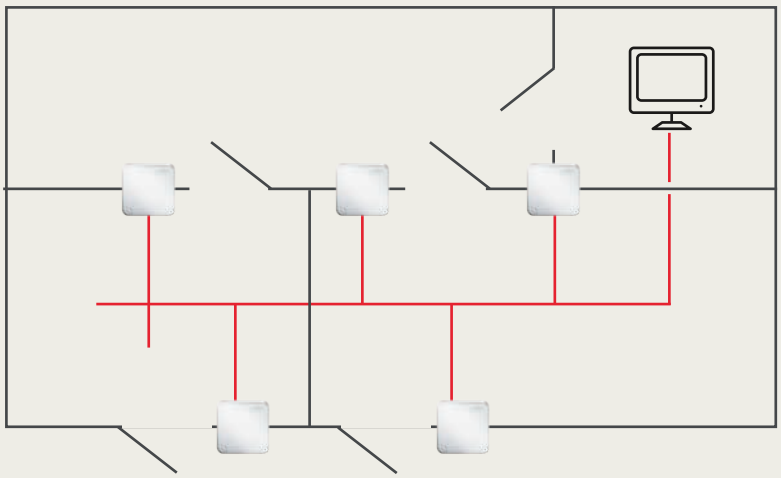
Glass doors, revolving doors, garage doors, sliding doors and many other types of entrances all have different requirements. The existing building infrastructure design also plays a part in deciding which will be the easiest and most cost-effective way to install access components. We offer solutions tailored to every situation with our diverse portfolio of access managers, door control units, readers and registration units.

Security
The combinations available make it possible to create installations with a maximum level of security for both outside areas (with all the security-critical elements in the secure indoor area) and the interior of the building. Our readers are equipped with the high-security RFID technologies LEGIC Advant and MIFARE DESFire with the Kaba ARIOS security concept.

Installation
Whether you need a solution for a new building that has been designed, are fitting an access system in an old building or need to migrate an existing site, with our choice of devices you can use modern IT infrastructures, reuse existing cabling or combine the new devices with older dormakaba devices, without having to make modifications to the existing cabling.

Fit for the future – investment security
Even if your requirements change in the future, you can still use the devices in other dormakaba access systems.

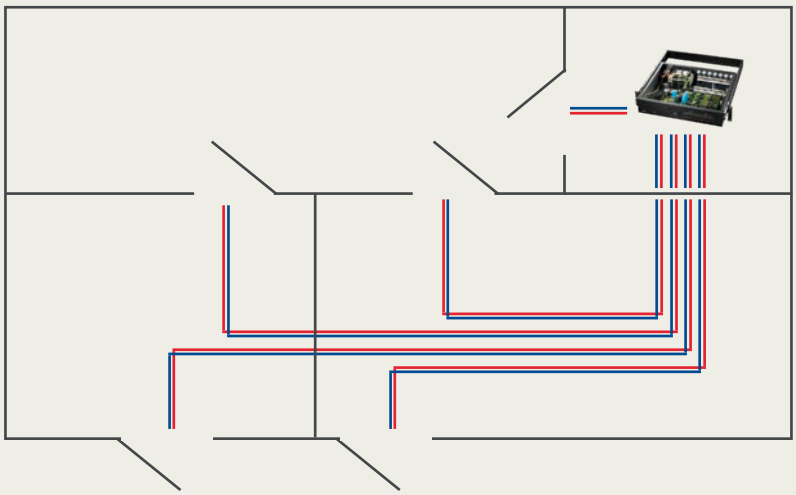
Design
The entrance to your company is the first thing that employees and visitors see, just like your business card. It is for this reason that, in addition to their high level of security and easy installation, our visible readers and registration units also offer a great deal in terms of design. Our readers' sleek, timeless designs and clean lines are as popular with our customers around the world as those from famous design institutions.



The right solution for every installation scenario
Local access installation

The access manager is installed locally at every access point, meaning that the cabling for the door control unit and readers can be kept in the surrounding area of the door. No new cabling is required in the building as the existing network infrastructure is used.

If the access manager is powered via PoE (Power over Ethernet), no additional power supply is required and there is no need for an electrician. This solution is particularly well suited to new installations in buildings that have modern IT infrastructures. The advantage of this solution is its fast and simple installation.



The right solution for every installation scenario
Central access installation

The access manager is installed centrally within the building in a plant room. Wiring for all the readers and door control units runs from each access point to the central access manager. This is the classic installation type and is predominantly used in existing buildings.

This solution is the recommended choice where a central cabling infrastructure already exists. Even if the access manager has to be installed in an IT cabinet for security or organisational reasons, this solution is still the best choice. The main advantage is that all the maintenance work can be carried out centrally in one location.

dormakaba access manager for all your requirements
dormakaba access managers fulfil all the requirements of modern security concepts. With their intelligent decision logic and ability to be freely parametrised, these high-performance access control systems can control simple types of access points as well as more complex entrances to highly sensitive areas. Our different designs mean that you can find the ideal solution for every installation scenario.

Overview of the dormakaba access managers

dormakaba access manager 92 30
dormakaba access manager 92 30 is optimised for single access points. Fast and simple assembly on every door reduces the amount of installation work and costs required. PoE can supply all of the power, avoiding the need for additional power supply units.

dormakaba access manager 92 00
With its flexible and expandable design, dormakaba access manager 92 00 offers a wide range of installation options. It can be installed as an individual device locally in the surrounding area of an access point, in an electrical cabinet, or centrally with expanded input/output modules.

dormakaba access manager 92 90
dormakaba access manager 92 90 is a central high-performance control unit for complex access control systems. This access manager is available in both wall- and IT-rack-mounted designs. It is particularly well suited to buildings where a central cabling infrastructure already exists.

The right solution for every access point – varied combinations

dormakaba compact reader
The dormakaba compact reader has everything integrated in one device. It is easy to install and its compact design means it will fit into any building structure. It is particularly well suited to access points within one organisation. Compact reader 91 10 and 91 12 are optimised for wall mounting and reader 91 04 is optimised for door frame mounting. The 91 04 and 91 12 , rated with IP 66, are also waterproof and weatherproof and extremely well suited for outdoor use.

dormakaba remote reader*
The remote reader offers the benefit of separating the recording unit and the control unit. This makes it ideal for installations with a maximum level of security, where all the security-critical elements are in the secure indoor area. Reader 91 15 is intended for simple types of access points and reader 91 25 is intended for complex situations such as entrance and exit door configurations.

dormakaba biometric reader 91 50*
The dormakaba biometric reader 91 50 provides clear-cut and convenient access control for the purpose of legal certainty. With the current Kaba design it can be integrated perfectly into modern architecture. It combines the tried and tested RFID and fingerprint identification methods with a convenient touch keypad. With its high-quality biometric sensor, the reader can be used for both biometric identification and verification.

***Note: the product's range of available functions depends on the system context in which it is used.**

Ideal access components for all situations

dormakaba registration units
dormakaba registration units are generally positioned away from the control unit (remote reader or access manager). The control unit can be installed in a tamper-proof room while the registration unit is positioned right next to the door. There is a range of attractive designs for every installation location. Communication between the registration units and the control unit is encrypted, providing a high level of security.

The dormakaba registration unit 90 00 offers flexibility of design: it can be installed in individual housings or those provided on site. The component fits in many European switch covers.

The dormakaba registration unit 90 01 has an innovative design with an elegant, high-gloss finish and an eye-catching compact form. It blends discreetly and harmoniously into modern buildings.

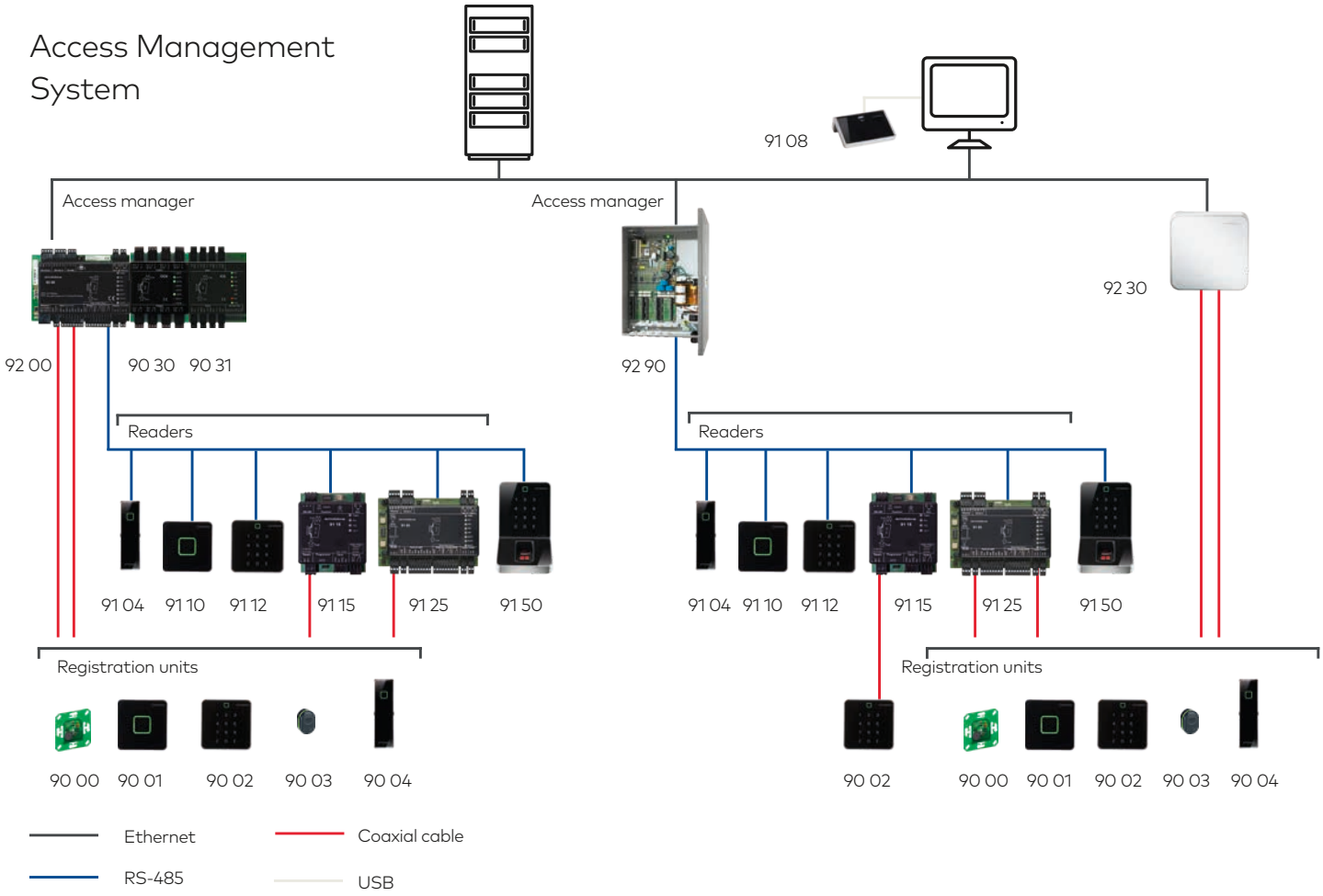
The dormakaba registration unit 90 02 with wear-resistant PIN keypad for access points with increased security requirements can be used indoors and in protected outdoor areas. The keypad operation is supported by 'Guide by Light'.

The registration unit 90 03 is small and slim and is suitable for direct mounting on door frames or almost any fittings.

The dormakaba registration unit 90 04 has an eye-catching slim, compact form. It can be mounted directly on metal, wood and plastic door frames. The device is also waterproof and weatherproof and well suited for outdoor use.

dormakaba extension modules
The extension modules 90 30 and 90 31 are used when more digital inputs or relay outputs from the control unit are required than are currently available, e.g. for lift control or window monitoring. All you have to do to install these is simply plug them into the control unit. Module 90 31 offers increased security thanks to its monitored inputs.

Overview of the dormakaba access manager system topology



Note: the product's range of available functions depends on the system context in which it is used. The figure shows an example system structure.

Overview of features of the dormakaba access managers

	92 30	92 00	92 90
Readers			
Integrated readers based on multi-RFID device	2	2	-
Total number of possible readers per access manager	2	8	16
Interfaces			
RS485 party line	√	√	√
RS232 for peripheral components	1	2	1
Coaxial connections for registration units	2	2	-
Digital IOs			
Number of inputs (monitored)	4 (4) + tamper switch	4 (4)	18 (16) + tamper switch
Number of relay outputs	3	3	16
Hardware options			
Can be expanded with additional I/O modules	-	√	-
Passive RS485 interface	√	√	√
Active RS485 interface	-	-	√
Software options			
Storage option 2,000/8,000	√	√	√
Storage option 10,000/40,000	√	√	√
Storage option 50,000/100,000	√	√	√
AVISO	√	√	√
CardLink	√	√	√
Data encryption	√	√	√
Number of readers	2	2 / 4 / 8	2 / 4 / 8 / 16
Power supply			
PoE	√	-	-
110/230 V AC	-	-	√
12/24 V DC	√(24 V)	√ (12/24 V)	√(24 V)
Design/assembly			
	Surface-mounted housing for indoor installation	Top-hat rail mounting	Wall-mounted, rack-mounted (19'')
Certifications			
UL 294 approval	√	√	√
CE	√	√	√
FCC	√	√	√
UL 60950	√	√	√

Further details and order information can be found in the relevant dormakaba catalogues or system descriptions. The product's range of available functions depends on the system context in which it is used. The figure shows the maximum available scope of delivery.

Overview of features of the dormakaba readers

	91 10	91 04	91 12	91 15	91 25
Readers					
MRD (multi-RFID device)	√	√	√	√	√
Interfaces					
RS-485	√	√	√	√	√
Coaxial connection for registration unit	-	-	-	1	2
Digital I/Os					
Number of inputs	2	2	2	2	4
Number of relay outputs	1	1	1	1	3
Input for tamper switch	-	-	1	-	1
Power supply					
10-34 V DC	√	√	√	√	√
Design/assembly					
Wire guide surface mounting	√	√	√	-	-
Wire guide concealed mounting	√	√	√	-	-
Top-hat rail mounting	-	-		√	√
IP protection class					
	IP40/IP54	IP54/IP66	IP66	IP20	IP20
Certifications					
CE	√	√	√	√	√
FCC	√	√	√	√	√
UL 60950	√	√	√	√	√
UL294	√	√	√	-	-

Further details and order information can be found in the relevant dormakaba catalogues or system descriptions. The product's range of available functions depends on the system context in which it is used. The figure shows the maximum available scope of delivery.

Overview of features of the dormakaba registration units





	90 00	90 01	90 02	90 03	90 04
Readers					
PIN keypad	-	-	√	-	-
Interfaces					
Coaxial connection	√	√	√	√	√
Design/assembly					
Wire guide surface mounting	-	√	√	-	√
Wire guide concealed mounting	√	√	√	√	√
Door frame mounting	-	-	-	√	√
IP protection class					
	IP20	IP40/IP54	IP40/IP54	IP40/IP54	IP66
Certifications					
CE	√	√	√	√	√
FCC	√	√	√	√	√
UL 60950	√	√	√	√	√

Further details and order information can be found in the relevant dormakaba catalogues or system descriptions.

01

Access control using cards and reader units is simple, straightforward and secure.

02

Biometric authentication is convenient and secure.

03

Electronic master key systems offer comprehensive access management options.

04

Mechanical solutions offer security while scoring highly in terms of economy and cofriendliness.

An overview of the various access and media solutions

The choice is yours
Whether you choose a badge card, chip, Kaba smart key or key fob, you can use them to open all your doors. The access media are based on RFID chip technology. They are provided with special Kaba encryption through their integration in the Kaba system and thus grant the holders secure and controlled access. In the event that they are lost, any authorisations can easily be deleted and you can then just as easily programme and re-issue new access media.

Wireless access control
The Kaba wireless components allow you to integrate electronic locking components into your system very easily via wireless transmission. This is particularly useful for historic buildings or glass doors where wiring is not possible. No configuration work is needed on site because all the programming is done centrally using the access management system. Authorisations can be changed more quickly and system statuses can easily be retrieved.

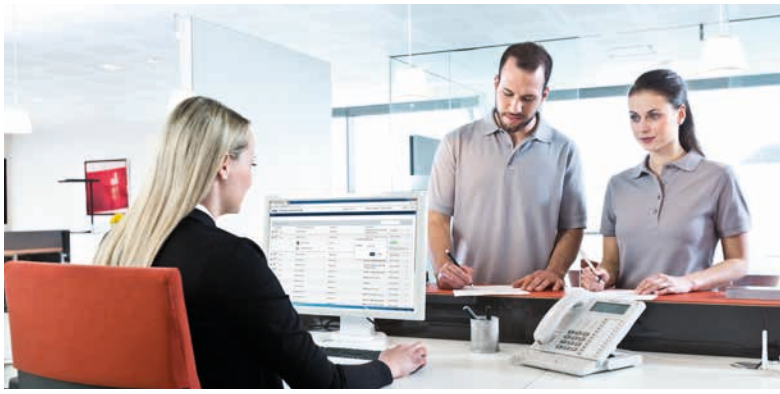
Biometric access control
Biometric access control is easy to use and has a high level of user acceptance, as well as ensuring exceptional data protection. This eliminates the security risks arising from badges being lost or given to third parties. And it is clear to see that this solution is extremely economical.

The product's range of available functions depends on the system context in which it is used.

Other solutions for comprehensive requirements

In addition to the Kaba access control systems, we offer numerous other solutions that also provide greater security and transparent processes, such as mechanical locking systems and physical access systems, as well as products for time registration. We would be happy to advise you if you are interested in these solutions.

Mechanical locking systems



Integrated access management systems

Time and attendance systems

Physical access systems

WN 05498151532, 12/18, Access portfolio, en
Subject to change without notice

Door Hardware

Entrance Systems

Electronic Access & Data

Interior Glass Systems

Mechanical Key Systems

Service

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