Access & Workforce Management

• Product Catalog – 07/13

Kaba exos® 9300/-SBS
IDExpert® SDK components
B-COMM ERP AC *for* SAP® ERP
Access hubs
RRM Portfolio
Repairs
Support – Engineering Service

Valid from July 2013
for Kaba exos® 9300 Rel. 3.1

KABA®

General

With immediate effect, orders can only be made using the relevant SAP numbers (e.g., 04060282). Old article numbers (e.g., 120.380) are provided for reference purposes only.

Validity

The contents of this product catalog are valid for the version Kaba exos 9300/-SBS Release 3.1:

- Kaba exos Release 3.1 supports both LEGIC and MIFARE ARIOS. However, only one of these technologies may be used per system.

Licenses for LEGIC and MIFARE ARIOS systems shall apply except for where specifically marked otherwise.

Information on older releases is available in earlier editions of the product catalog.

Compulsory - Release Version on order
On each order the information regarding the requested release version has to be indicated. In case no release version is indicate on the order, the current released version will be delivered.

Classification of articles (A, B, C and NR)

Classification of the articles is indicated by the letter at the end of the article number (e.g., 122.010 A). When more than 10 units are ordered, the delivery date must be requested.

Level	Availability	Delivery time	Forecast
A	1-50 pcs. deliverable	After written order, delivery will be in normal cases within 5 working days, maximum 10 working days	*see bellow
	51 - 100 pcs. deliverable	After written order, delivery will be in normal cases within 10 working days, maximum 20 working days	
	>100 pcs. deliverable	Delivery date on request	
B	1-10 pcs. deliverable	After written order, delivery will be in normal cases within 5 working days, maximum 10 working days	**see bellow
	11 - 30 pcs. deliverable	After written order, delivery will be in normal cases within 10 working days, maximum 20 working days	
	>30 pcs. deliverable	Delivery date on request	
C	Customer specific orders	Delivery date on request	
NR	Products not released when this product catalog was created / distributed	Will be treaded as C - products until product release Product release and restrictions will be communicated with a release note	

*Expectation of the RMOs that forecast for the year can be delivered per month (Forecast / 12)

**Expectation of the RMOs that forecast for the year can be delivered per month (Forecast / 12), adaption of this figures possible for the MIC based on consumption. Attention project risk

Licenses

In the interests of clarity, the licenses are marked with the following symbols:

= system license	▪ Required only once for each system
1+ = single license	▪ Required several times depending on the size of the system (e.g., administrator workplaces, management of mechanical master key systems, access points, etc.)

Separate SW licenses for Kaba exos® 9300-SBS

⚠ From Release 2.2, the SW licenses for the Kaba exos 9300-SBS (Small Business Solution) basic system will be offered as separate articles. This must always be taken into account when ordering!

Thanks to their clear separation, the licenses for the Kaba exos 9300 and Kaba exos 9300-SBS systems can be managed independently of one another.

The following SW licenses/functions are explicitly excluded:

- ▪ SW license for an 'Additional tenant'
- ▪ SW license 'Contractor management'
- ▪ SW licenses for more than 500 persons
- ▪ SW licenses for more than 512 access points

The prices of SW licenses for a Kaba exos 9300-SBS system are lower than those for a full Kaba exos 9300 system (for more detailed information, refer to the price list, section Kaba exos® 9300-SBS (Small Business Solution)).

Licensing for Microsoft® SQL Server 2005/2008

Basic information

There are various licensing procedures for the Microsoft® SQL Server. The optimum licensing solution may differ for each project, depending on various criteria. For example, the existing licenses play a role, as do the number of servers and processors used and the number of clients. It is often difficult to find the optimum licensing solution. This is illustrated by the wide range of courses offered by Microsoft® on the subject of licensing.

SQL Server for licensing / FAQ:
http://www.microsoft.com/sqlserver

Helpful information for licensing databases

Database server

Database licensing is complex and is subject to frequent model modifications. A distinction is made between server licenses with an unlimited number of users, processor licenses with an unlimited number of users, and user-specific licenses. This means that licensing costs are very individual and must be calculated to suit the customer's needs on a case-by-case basis.

The following information lists the minimum requirements for database licensing with respect to the required users:

Application service:

An application service is generally installed on a server with a communication hub. Access to the database is required for this purpose. The application service is installed only once in each system. The application service requires one Client Access License (CAL).

Interactive workstation

Each Kaba exos 9300 interactive workstation or user requires a CAL for the database. With a licensed interactive workstation, the license can be used by several users on the same computer (depending on the device). Licensed users can access the database from any interactive workstation (regardless of the device).

Web Client

Each Web Client requires a CAL.

Communication hub

The installation of additional communication hubs requires additional CALs.

Licensing for Oracle® 10g / 11g database

Licensing is very similar to that of MS SQL. Companies which use Oracle often have special licensing agreements. For this reason, this will not be discussed further in this document.

System requirements

General system requirements are described in the guidelines for project planning. Information concerning the supported operating systems and databases can be found in the corresponding 'Release Note'.

New products / functions / changes

A detailed description of changes (system modifications) is contained in the corresponding product documentation.

New functions of Kaba exos® 9300 Release 3.1

- Support for a standardized online range of peripherals for LEGIC and MIFARE:
  - Access Manager (including Kaba IC8/OC8 accessories)
    - Registration Unit RFID
    - Registration Unit RFID PIN
    - Registration Unit PCB RFID
  - Compact Reader
  - Remote Reader (including Kaba IC8/OC8 accessories)
    - Registration Unit RFID
    - Registration Unit RFID PIN
    - Registration Unit PCB RFID
- Support for the B-web 93 00 T&A terminal range
- Support for the desktop reader B-web 91 08

- Support for the Kaba evolo standalone component range:
  - Kaba Programmer 1460
  - Digital cylinder
  - Kaba c-lever/Kaba c-lever compact
  - Compact Reader/Remote Reader

- Support for CardLink for MIFARE ARIOS and LEGIC advant
  - Support for master A, B, and T media
  - Standardized media definition - Kaba Standard Application Definition
  - Media traceback function

- Revised and simplified media definition within Kaba exos
  - Templates for typical media definitions
- Standardized master media management for LEGIC and MIFARE

- Group user for database connections
- LDAP interface for importing and updating staff data

- Kaba exos T&A:
  - Absence workflow extended
  - Stand-in function for supervisors

Replaced products

Kaba exos® LA-PB and accessories

The following products are being discontinued and shall be replaced by alternative products. Existing stock will remain available to customers. For details of the number of units in stock, please consult 'Discontinued Product Notifications – Accessories - 2011/1'.

- Registration unit Kaba exos® LA-PB (art. no. 161.202)
  Replacement product: Registration Unit PCB RFID (art. no. **04079001/**180.211)
- Cover for Kaba exos® LA-PB/LA-PP, white (art. no. 161.270)
  Replacement product: Cover Set FE - white - IP40 for Registration Unit PCB RFID
  (art. no. **04060213**/180.231)
- Cover for Kaba exos® LA-PB/LA-PP, light gray (art. no. **04060227**/161.271)
  Replacement product: Cover Set FE - white - IP40 for Registration Unit PCB RFID
  (art. no. **04060213**/180.231)
- Cover for Kaba exos® LA-PB/LA-PP, anthracite (art. no. **04060228**/161.272)
  Replacement product: Cover Set FE - white - IP40 for Registration Unit PCB RFID
  (art. no. **04060213**/180.231)
- Surface mount cover for Kaba exos® LA-PB, white (art. no. **04060229**/161.273)
  Replacement product: Cover Set FE - white - IP55 for Registration Unit PCB RFID
  (art. no. **04060214**/180.232)

Discontinued products

Kaba exos® cDML and accessories, Kaba exos® LT-PN, Kaba exos® LA-PG

The following products are to be discontinued as of July 1, 2012 and shall be replaced by alternative products. The products are to be discontinued by phasing them out over 3 years. For larger quantities or long-term delivery conditions, please contact us.

- Door manager Kaba exos® cDML with Rear panel (art. no. **04060197**/161.181)
  Replacement product: Compact Reader LEGIC (SL - UP, cDML functionality)
  (art. no. **04079110/**161.192)
- Door manager Kaba exos® cDML with Spacer frame (art. no. **04060198**/161.184)
  Replacement product: Compact Reader LEGIC (SL - AP, cDML functionality)
  (art. no. **04079110/**161.193)
- Rear panel for Kaba exos® cDML (art. no. **04060200/**161.183)
  Replacement product: Rear panel black - 12p (art. no. **04060237**/181.514),
  compatible with Compact Reader LEGIC
- Spacer frame for Kaba exos® cDML (art. no. **04060199**/161.182)
  Replacement product: Spacer frame black - 12p (art. no. **04060238**/181.515),
  compatible with Compact Reader LEGIC
- Registration unit Kaba exos® LT-PN (art. no. **04060044/**161.210)
  Replacement product: Registration Unit RFID PIN (SL - UP) (art. no. **04079001**/180.112) or
  Registration Unit RFID PIN (SL - UP) incl. Communication Adapter PIN
  (art. no. **04079001/**180.050)
- Registration unit Kaba exos® LA-PG (art. no. **04060045/**161.211)
  Replacement product: Registration Unit RFID (SL - UP) (art. no. **04079001**/180.111)

Products discontinued as of April 1, 2009. These products will remain on sale until successor products are made available. For larger quantities or long-term delivery conditions, please contact us.

Hardware components for MIFARE ARIOS and LEGIC

The following hardware components can be used with Kaba exos 9300 Release 3.1:

- Access Manager MIFARE/LEGIC
- Compact Reader MIFARE/LEGIC with Rear panel (SL - UP)
- Compact Reader MIFARE/LEGIC with Spacer frame (SL - AP)
- Remote Reader MIFARE/LEGIC
- Registration Unit RFID with Rear panel (SL - UP)
- Registration Unit RFID PIN with Rear panel (SL - UP)
- Registration Unit PCB RFID with covers:
  - Cover Set FE - white - IP40
  - Cover Set FE - white - IP55
- Registration unit Kaba exos LA-PC
- Registration unit Kaba exos LA-PP
- Desktop reader B-web 91 08
- Terminal B-web 93 00
- Standalone component range evolo (CardLink, MIFARE):
  - Kaba Programmer 1460
  - Digital cylinder
  - c-lever/c-lever compact
  - Compact Reader/Remote Reader

Additional products required for MIFARE ARIOS

⚠️ The following additional products are required for putting Kaba exos 9300 Release 3.1 into operation. These products must be ordered directly from the manufacturer.

Product		Use	Manufacturer
	▪ Security card A (KSEC-SA000) ▪ Security card B (optional) (KSEC-SB000) ▪ Security card C (KMID-SC004)	Online	Kaba AG Access & Workforce Management Mühlebühlstrasse 23 8620 Wetzikon Switzerland Telephone: +41 44 931 61 11
	▪ Master A (KMID-MA004) ▪ Master B (optional) (KMID-MB004) ▪ Master T (temporary) (KMID-MT004)	Standalone	
	Kaba function card: ▪ KMID-FM004 (MIFARE DESFire)		
	Kaba user card: ▪ KMID-BE004 (MIFARE DESFire) ▪ KMIC-BE002 (MIFARE Classic)		
	▪ Desktop reader B-web 91 08 (04042000, Option Kaba MIFARE)		Kaba GmbH Access & Workforce Management Albertistrasse 3 78056 Villingen-Schwenningen Germany Telephone: +49 7720 603 0

Additional products required for LEGIC

⚠️ For putting Kaba exos 9300 Release 3.1 into operation, some of the additional products may be required depending on the configuration. The products can be ordered at the manufacturer indicated below.

⚠️ You do not necessarily have to use these printed and coded cards and media. LEGIC authorization media, master media and user media can also be segmented and imprinted locally at the respective RMO.

Product		Use	Manufacturer
	▪ Security card C1 (C1/ C2 together: KLEA-SET02)	Online	Kaba AG Access & Workforce Management Mühlebühlstrasse 23 8620 Wetzikon Switzerland Telephone: +41 44 931 61 11
	▪ Security card C2 (C1/ C2 together: KLEA-SET02)	Standalone	
	▪ Master A (KLEA-MA003) ▪ Master B (optional) (KLEA-MB003) ▪ Master T (temporary) (KLEA-MT003)		
	Kaba function card: ▪ KLEA-FM003 (LEGIC advant)		
	Kaba user card: ▪ KLEA-BE004 (LEGIC advant)		
	▪ Desktop reader B-web 91 08 (04043123, Option Kaba LEGIC)		Kaba GmbH Access & Workforce Management Albertistrasse 3 78056 Villingen-Schwenningen Germany Telephone: +49 7720 603 0

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⚠️ The articles listed in this section cannot be combined with or used alongside articles from the sections entitled 'Kaba exos® 9300-SBS' or 'B-COMM ERP AC *for SAP® ERP*'.

System

The following licenses are required for the basic setup of an access control system (e.g., basic parameter settings, data organization, data separation, authorization control for system operators, etc.).

04060282 SW license Kaba exos® 9300 basic system	**System license**
120.380 A	

- ✅ Including 1 SW license 'Administrator workplace for 1 user' (art. no. **04060285**/120.261)
- ❌ Cannot be used together with the SW license 'Kaba exos® 9300-SBS basic system' (art. no. **04060373**/123.381)

- Support of up to 99 communication hubs
- Remote connection of access hubs[1]/terminals
- Supports multi-user operation
- Support for Single Sign-On (SSO)
- Support for Microsoft® SQL Server 2005, 2008, and SQL Server Express, as well as for Oracle® 10g/11g databases
- Management of persons and user media for access control and T&A
- Management of access points
- Management of users and user authorizations
- Management of company hierarchies and exceptional days for access control and T&A
- System parameter management
- Assignment of staff images
- Support for automatic program starts
- Extensive logging for system evaluation
- Alarm handling
- Free fields for customer-specific data
- Logbooks
- Transitional user medium:
  Access rights (incl. CardLink™) and T&A data from the active user medium are transferred to the transitional user medium
- Registration of user media numbers
- Management of mechanical master key systems for 50 components
- Blacklist:
  - Verification of all newly registered or imported persons against the blacklist
  - The blacklist entry applies to the whole system or per tenant
- Optional: SW delivered on CD-ROM incl. documentation and online help

[1] LEGIC only

04060283 **SW license for an additional tenant**   **Single license**
120.386 A

1+

    ✅ Including 1 SW license 'Administrator workplace for 1 user' (art. no. **04060285**/120.261)
    ❌ Cannot be used together with the SW license 'Kaba exos® 9300-SBS basic system'
      (art. no. **04060373**/123.381)

- SW license for creating an additional tenant in the system
- Allows data, users, logbooks, and peripherals to be kept completely separate from other tenants in the system
- Authorization of persons for different tenants (e.g., cleaning staff)
- Jointly used access grids (e.g., main entrance)
- The grouping mechanism can be used to achieve separation between different divisions for each tenant

04060284 **SW license Extended report function**   **System license**
120.300 A

- Extended functions for reports:
  - Starting reports from the dialogs
  - Reports can be started with separate program (without Kaba exos)
  - Automatic starting of reports (e.g., weekly)
- Comprehensive filter and grouping options
- Extended T&A reports via Web Client:
  - Creation of user-defined reports in tabular form for evaluating T&A data (e.g., balances on a specific date)
  - Can be applied to selected persons or hierarchy levels
  - Specific user authorizations for report definition and execution
  - Output format can be either Adobe PDF or Microsoft Excel

Dialogs

The following dialog licenses are required in order to use the function licenses described in the other sections.

In addition to the interactive workstations that are already available, it is becoming increasingly common for functions to be accessed via the Web Clients. The Web Clients are licensed on the basis of three different roles, 'Administrator', 'Supervisor', and 'ESS' (Employee Self Service), depending on usage.

Interactive workstation / Web Client Administrator

04060285 SW license Administrator workplace for 1 user   **Single license**
120.261 A

1+

- A license permanently assigned to one person allows access to the Kaba exos 9300 system from the Web Client via predefined program groups (named user license). This license also provides access to the 'Web Client Supervisor' and 'Web Client ESS' functions. Furthermore, the person concerned is authorized to use an interactive workstation without an additional concurrent license having to be assigned.
- A license not permanently assigned to one person allows access to the Kaba exos 9300 system from an interactive workstation via predefined program groups (concurrent license).

Interactive workstation:
- Dialog software in German, English, and French for Windows® (Windows® XP and higher) with integrated online help and shortcut key functions (hotkeys)
- Multilingual concept: Language can be defined for each user
- Use of one license by different users possible
- Integrated authorization check at the start of the dialog
- Support for Single Sign-On (SSO)
- The following functions are available provided that the relevant license has been obtained:
  - System management
  - Staff data management
  - Alarm handling
  - Logbooks
  - Access management
  - T&A management (excluding planning board extensions)
  - Visitor management
  - Badge management
  - Manual image verification
  - Parking management
  - Interactive graphics application
  - SAP management
- All dialogs are Unicode-capable
- Programming of additional segments on existing user media[1, 5]
- Update of the CardLink authorizations for all persons registered in the system[2]

Web Client Administrator:
- The following functions are available provided that the relevant license has been obtained:
  - Contractor management
  - Staff data management
  - Alarm logbook
  - Audit logbook
  - Badge logbook
  - Depot logbook
  - Error logbook
  - Parking logbook

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- System logbook
- Access logbook
- Blacklist
- Roll Call[3]

▪ Update of the CardLink authorizations for all persons registered in the system[2, 4]

[1] A 'Programming of additional segments' SW license (art. no. **04060311**/120.340) is also required

[2] A 'CardLink™' SW license (art. no. **04060322**/120.286) is also required

[3] An 'X online access points' SW license (art. nos. **04060312**/120.352 to **04060321**/120.361) is also required

[4] Requires Internet Explorer (ActiveX)

[5] LEGIC only

04060286 **SW license Administrator workplace for 3 users**   **Single license**
120.262 A   1+

04060287 **SW license Administrator workplace for 6 users**   **Single license**
120.263 A   1+

04060288 **SW license Administrator workplace for 10 users**   **Single license**
120.264 A   1+

04060289 **SW license Administrator workplace for 30 users**   **Single license**
120.265 A   1+

04060290 **SW license Administrator workplace for 60 users**   **Single license**
120.266 A   1+

04060291 **SW general license System operation**   **System license**
120.267 A

▪ Also features an unlimited number of persons for administrator workplaces, Web Client Supervisors, and Web Client ESS

04060292 **SW license Web Client for 1 supervisor**   **Single license**
120.240 A

1+

✅ This license also provides access to the functions of a 'Web Client ESS'

- Personal license (named user)
- Allows access to the Kaba exos 9300 system from any workstation by means of predefined program groups
- Supervisor functions are utilized by assigning a user group to the respective employees along with the predefined rights from the Web Client
- Update of the CardLink authorizations for all employees[1, 2]

[1] A 'CardLink™' SW license (art. no. **04060322**/120.286) and Internet Explorer (ActiveX) are also required
[2] This function can only be utilized if the system is also being used for T&A (SW license 'x persons for T&A')

04060293 **SW license Web Client for 3 supervisors**   **Single license**
120.241 A

1+

04060294 **SW license Web Client for 6 supervisors**   **Single license**
120.242 A

1+

04060295 **SW license Web Client for 10 supervisors**   **Single license**
120.243 A

1+

04060296 **SW license Web Client for 30 supervisors**   **Single license**
120.244 A

1+

04060297 **SW license Web Client for 60 supervisors**   **Single license**
120.245 A

1+

04060298 **SW license Web Client for 100 supervisors**   **Single license**
120.246 A

1+

04060299 **SW license Web Client for 300 supervisors**   **Single license**
120.247 A

1+

04060300 **SW license Web Client ESS for 100 employees**   **Single license**
120.250 A

1+

- Personal license (named user)
- Allows access to the Kaba exos 9300 system from any workstation
- Personal settings
- Personal access logbook
- Update of personal CardLink authorizations[1]
- Change of personal PIN code

[1] A 'CardLink™' SW license (art. no. **04060322**/120.286) and Internet Explorer (ActiveX) are also required

04060301 **SW license Web Client ESS for 300 employees**   **Single license**
120.251 A

1+

04060302 **SW license Web Client ESS for 600 employees**   **Single license**
120.252 A

1+

04060303 **SW license Web Client ESS for 1,000 employees**   **Single license**
120.253 A

1+

04060304 **SW license Web Client ESS for 3,000 employees**   **Single license**
120.254 A

1+

04060305 **SW license Web Client ESS for 6,000 employees**   **Single license**
120.255 A

1+

04060306 **SW license Web Client ESS for 10,000 employees**   **Single license**
120.256 A

1+

⚠️ If additional persons need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer requires an extension of the SW license 'Web Client ESS' from 200 employees (2 x 100 employees) to a SW license with 300 employees. An additional SW license for 100 employees is required for the extension.

Persons

The following function licenses are required for the registration, management, logging, and evaluation of various groups of persons in the access control system.

04060307 SW license Visitor management   **System license**
120.294 A

Basic package for the management of visitors with the following options:
- Register visitor data
- Print visitor pass
- Assign visitor photograph[1]
- Print visitor cards/badges[1]
- Issue/take back visitor media[2]
- Check visitors in and out in parking management[3]
- Issue of transitional user media at the visitor management station[2]
- Issue temporary or permanent blacklist for visitors
- When visitor management is used in a tenant system, only the tenant managing the visitors (own visitors and/or visitors of other tenants) requires a SW license 'Administrator workplace for x users' (art. nos. **04060285**/120.261 to **04060290**/120.266)
- Visitor automatically checked out at a defined reader (e.g., Card Collector CRP-M01)
- Free fields for customer-specific data
- Registration procedures open to customer-specific adaptation
- Registration of visitors via Web Client[4]

[1] Only available with SW license 'KabaCard' (art. no. **04060310**/120.283) and corresponding licenses for the IDExpert SDK components used
[2] Only available with SW license 'Badge management' (art. no. **04060309**/120.293)
[3] Only available with SW license 'Parking management' (art. no. **04060326**/120.388)
[4] Only available with SW license 'Web Client ESS for x employees' (art. nos. **04060300**/120.250 to **04060306**/120.256)

04060308 SW license Contractor management   **System license**
120.302 A

- Registration and management of contractors and contractor employees
- Registration and management of projects
- Automatic checking of access authorizations for contractor employees based on project time limits
- Issue temporary or permanent blacklist for contractor employees
- Safety check with expiration date and automatic personal notification[1]
- Optional: Integrated T&A for contractor employees[2]
- Optional: Create user media[3]
- A SW license 'Administrator workplace for x users' (art. nos. **04060285**/120.261 to **04060290**/120.266) is also required
- Fully operated via Web Client

[1] Only available with SW license 'Individual messages AC' (art. no. **04060325**/120.298)
[2] Only available with SW license 'x persons for T&A' (art. nos. **04060341**/120.221, **04060342**/120.225, **04060343**/120.230, **04060344**/120.235)
[3] Only available with SW licenses 'Badge management' (art. no. **04060309**/120.293), 'KabaCard' (art. no. **04060310**/120.283), and the corresponding licenses for the IDExpert SDK components used

Media

The following function licenses are required for the management, production, or programming of media.

04060309 SW license Badge management   **System license**
120.293 A

- Combined media
- Several media definitions and/or user media numbers/company codes and site keys
- Block/delete all user media for one person
- Management of invalid/lost user media
- User media and user media number management separate from staff master data
- Visitor media management separate from staff master data, with SW license 'Visitor management' (option)
- Initialized user medium for secure and automatic replacement of old user media
- Service medium for CardLink™ to block specific user media in standalone components
- Logging of all relevant actions performed using user media
- Printing of a receipt when a user medium is issued
- Several enabled media per person

Extended user medium functionality
- Flexible combination of different media in the Kaba exos system
- Media information to simplify evaluations and overviews

04060310 SW license KabaCard   **System license**
120.283 A

- Basic license for integrated badge production
- Requires at least one of the following IDExpert SDK components, for which additional licenses must be purchased:
  - SW license 'IDCaptureX' (art. no. **04060434**/124.102)
  - SW license 'IDPrintX' (art. no. **04060435**/124.103)
  - SW license 'IDCodeX-LEGIC prime' (art. no. **04060436**/124.104)
  - SW license 'IDCodeX-LEGIC advant' (art. no. **04060483**/124.104)
  - SW license 'IDCodeX-MIFARE Classic' (art. no. **04060437**/124.120)
  - SW license 'IDCodeX-MIFARE DESFire' (art. no. **04060438**/124.121)
  - SW license 'CardDesigner' (art. no. **04060439**/124.105)
  Without licenses, the IDExpert SDK components will run as demo versions.

04060311 SW license Programming of additional segments   **System license**
120.340 A   ⚠ **LEGIC**

- The following segment types can also be programmed on existing user media:
  - Kaba Standard Application Definition (KSAD)
  - Kaba Group Header (includes programming of the user media number)
  - LEGIC access™ (includes programming of the user media number)
  - LEGIC biometric™
  - CardLink™ for LEGIC prime
- A B-Net 91 07 or B-web 91 08 desktop reader is required for programming
- The SW licenses 'Badge management' (art. no. **04060309**/120.293) and 'Administrator workplace for x users' (art. nos. **04060285**/120.261 to **04060290**/120.266) are also required

Access

The following function licenses are required for a large number of specific access control applications.

The SW license for online access points supports complete door management for the access hub and an unlimited number of access profiles, as well as full integration and management of Kaba standalone components in Kaba exos. This license also covers the binary datapoints function, which integrates the binary inputs and outputs of access hubs.

The SW licenses for online access points can be combined as required.

Example:
A SW license for 48 access points consists of 1 SW license for 16 access points and 1 SW license for 32 access points.

04060312 SW license for 4 online access points[1]　　　　　　　　　**Single license**
120.352 A

1+

- For operation of up to 4 online access points with identification (1 or 2 registration units/ readers per access point connected). Access points without identification do not require a SW license

General basic functions which can be used with this and the following licenses:
- Central management for registering all important, access-related authorization data
- Parameters for regional exceptional days can be set in the annual calendar
- Access logbook to log movement data
- Management of Kaba standalone components

Access functions:
- Anti pass back
- In/out control; min./max. control of persons
- Passage control
- Person and room balancing
- Temporary personal rights/profiles
- Profile-controlled biometric verification
- Profile-controlled PIN code check; duress alarm
- Automatic blocking of user media (in the event of multiple failed PIN code attempts)
- Personal PIN code change (Web Client ESS)
- Access point management:
  - Interlocking door/turnstile
  - Interlocking door with integrated weighing scale[2, 4]
  - 'Access allowed' signal for alarm bypass in alarm systems
  - Office mode (personal/general)
- Code lock function
- Two-person access control (dual-control principle)
- Random rejection[2, 5]
- Monitoring and control of 8 or 4 alarm zones per access hub/manager in conjunction with an intrusion detection system[3]

[1]　Licensing is based on the number of access points with online access decision (identification via user medium or access code). Access points without identification (door monitoring only) are not covered by this license.
[2]　Only in conjunction with Kaba exos AMC Flash E (art. no. **0407762**/154.38x)
[3]　Only in conjunction with Kaba exos AMC Flash E with PC104 I/O board or Access Manager MIFARE/LEGIC with Kaba IC8/OC8
[4]　Not supported by Access Manager MIFARE/LEGIC
[5]　Supported in Access Manager MIFARE/LEGIC

04060313 **SW license for 8 online access points**
120.353 A

Single license

1+

04060314 **SW license for 16 online access points**
120.354 A

Single license

1+

04060315 **SW license for 32 online access points**
120.355 A

Single license

1+

04060316 **SW license for 64 online access points**
120.356 A

Single license

1+

04060317 **SW license for 128 online access points**
120.357 A

Single license

1+

04060318 **SW license for 256 online access points**
120.358 A

Single license

1+

04060319 **SW license for 512 online access points**
120.359 A

Single license

1+

04060320 **SW license for 1,024 online access points**
120.360 A

Single license

1+

04060321 **SW license for 2,048 online access points**
120.361 A

Single license

1+

⚠ If additional access points need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer needs to extend the SW license from 96 access points (32 + 64 access points) to a SW license with 128 access points. An additional SW license for 32 access points must be purchased in order to extend the license.

04060322 SW license CardLink™   **System license**

120.286 A

- Management of CardLink™ standalone components in Kaba exos
- Transmission of the validated access authorizations via media from Kaba exos to the CardLink™ standalone components
- Transmission of security-relevant statuses from the CardLink™ standalone components to Kaba exos via the media
- ⚠ Kaba elolegic/LEGIC prime
  - For the purpose of putting CardLink™ standalone components into operation and maintaining them, Kaba exos supports Kaba programmer 1364
  - Automatic read-in of unique numbers from existing user media on registrationunits/ readers with CardLink™ (validation)
  - To use the CardLink™ function, a SW license 'x online access points' (art. nos. **04060312**/120.352 to **04060321**/120.361) and a SW license 'Badge management' (art. no. **04060309**/120.293) are required
- ⚠ Kaba evolo/LEGIC advant/MIFARE ARIOS
  - For the purpose of putting CardLink™ standalone components into operation and maintaining them, Kaba exos supports Kaba programmer 1460
  - To use the service medium for CardLink™ to block specific user media in standalone components, a SW license 'Badge management' (art. no. **04060309**/120.293) is required
  - To use the CardLink™ function, a SW license 'x online access points' (art. nos. **04060312**/120.352 to **04060321**/120.361) is required SW license 'Badge management' (art. no. **04060309**/120.293), is required
  - Access traceback is also possible via the media

04060323 SW license Manual image verification   **System license**

120.289 A

- Several access points can be monitored via multi-user operation by displaying staff images in sequence
- The next image to be verified is selected from a queue
- Direct release of the access points from the interactive workstation
- Parameters can be set to adjust the duration of image display
- Parameters can be set for the display of staff data and access authorizations

04060324 SW license Depot control   **Single license**

120.297 A   ⚠ **LEGIC**   1+

- For operation of 1 depot device (key issue, depot boxes)
- A maximum of 192 depots are available for each depot device
- Administration and control of depot boxes (e.g., P.O. boxes) and pipe cylinders
- Allows keys and other objects to be issued and returned in a monitored and time-controlled manner
- The authorizations for the depots can be assigned via the access profile
- Overview of the current status of present and removed depot objects (e.g., keys)
- Dedicated logbook for online evaluations when moving items from and to depots
- Requires Kaba exos AMC Flash E in order to connect the depot (art. no. **0407762x**/154.38x)
- Use of registration units/readers with PIN code keypad possible
- Depot readers within the system do not require any 'x online access points' SW licenses (art. nos. **04060312**/120.352 to **04060321**/120.361)

04060325 SW license Individual messages AC   **System license**
120.298 A

- Automatic e-mail request to update the CardLink authorizations; sent to the relevant employee
- Safety check and automatic e-mail requests to attend a refresher course; sent to the relevant employees/contractor employees

04060326 SW license Parking management   **System license**
120.388 A

- For the efficient use of company parking lots
- Controls person-related access authorizations for parking areas
- Parking areas can be divided into parking lot pools for different groups (e.g., tenants, employees, visitors) for optimum organization
- Access depends on the rights and availability of a parking lot pool
- Each parking area must have at least one entrance and one exit reader
- Comprehensive evaluation options via logbook with person-related entrances and exits
- The license can also be used to assign visitor parking spaces
  (Option SW license 'Visitor management', art. no. **04060307**/120.294)

04060327 SW license Interface to SecLoc   **System license**
120.390 A

- Allows the use of cell phones for access identification and making T&A bookings in the Kaba exos system
- Ideal for remote outdoor locations; no assignment of user media necessary
- Connection of Kaba exos 9300 and Mohito Server
- Cell phone function can be selected via SecLoc (Mohito application); access rights and authorization via Kaba exos
- Mohito license (SecLoc) also required

04060328 SW license Management of MKS   **Single license**
120.341 A   **for 250 components**   1+

- For the integration of mechanical master key systems (MKS) and their components (key and cylinder) into the Kaba exos system
- Interface for importing existing data from master key systems (.KWD format; other formats upon request)
- Manual definition of components
- List view and key plan view
- Hierarchical structuring of master key systems
- Grouping mechanism for media
- Central overview or inquiry option for all authorizations assigned to a person (online, mechatronic/CardLink™, mechanical)
- Evaluation option to prevent infiltration of the online authorization system by means of mechanical keys
- Efficient identification of persons via desktop reader
- Process-oriented key issue and return
- PDF or printout of a receipt for key issue, return or loss
- Reminder function for planned key returns or inspections
- Logging of all transactions

Please note that engineering services may be necessary for data import, in the event that the master key system data are not present in their correct form in a .KWD file.

| 04060329 | **SW License Management of MKS** | **Single license** |
| 120.342 A | **for 500 components** | 1+ |

| 04060330 | **SW License Management of MKS** | **Single license** |
| 120.343 A | **for 1,000 components** | 1+ |

| 04060331 | **SW License Management of MKS** | **Single license** |
| 120.344 A | **for 2,000 components** | 1+ |

| 04060332 | **SW License Management of MKS** | **Single license** |
| 120.345 A | **for 4,000 components** | 1+ |

| 04060333 | **SW License Management of MKS** | **Single license** |
| 120.346 A | **for unlimited number of components** | 1+ |

⚠️ If additional components need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer requires an extension of the SW license 'Management of MKS' from 500 components to a SW license with 1,000 components. An additional SW license for 500 components is required for the extension.

Alarms

The following licenses make alarm and control functions available from and to other systems.

04060334 SW license Interactive graphics application   **System license**
120.284 A

- Interactive graphical overview showing the status of all online peripherals; in real time
- Multiple graphical overviews possible in one system
- Automatic generation of page and datapoint hierarchy
- Simple configuration of the graphics with drag and drop
- Interactive operation of datapoints (access points and binary contacts)
- Issue of group commands (e.g., opening several doors with one command)
- Includes a library of icons for displaying statuses (can be freely extended)
- Datapoint server: Real-time interface for forwarding events, alarm messages, and movement data for third-party applications via TCP/IP in XML-format. The third-party application is responsible for connection set-up and interpreting messages.

04060335 SW license OPC Server   **System license**
120.285 A

- The license is valid for all tenants registered in the system
- Integration of Kaba exos into existing third-party applications (e.g., facility management systems)
- Transmission of alarms and events from Kaba exos access control to the third-party application
- Receipt of access control commands from the third-party application
- The third-party application is responsible for connection set-up and interpreting messages
- For information regarding implemented interfaces, please contact awm.sales@kaba.com

IT integration

The following function licenses allow interaction with other applications in the IT environment.

04060336 **SW license LDAP connection for up to 250 persons**   **System license**
120.305 A

- Lightweight Directory Access Protocol (LDAP) connecting Kaba exos 9300 to existing directory services used by the customer
- Alignment of Kaba exos staff data with that of the central directory service
- Alignment with several directory services possible
⚠ - This license does not include the engineering services required for integration at the customer's site

04060337 **SW license LDAP connection for up to 500 persons**   **System license**
120.306 A

04060338 **SW license LDAP connection for up to 1,000 persons**   **System license**
120.307 A

04060339 **SW license LDAP connection for up to 3,000 persons**   **System license**
120.308 A

04060340 **SW license LDAP connection for up to 10,000 persons**   **System license**
120.309 A

For an LDAP connection with more than 10,000 persons, please submit a separate inquiry.

⚠ It is possible to extend the license to a larger number of persons (keeping the same release) and offset the cost paid for the previous license against the new one (e.g., art. nos. **04060336**/120.305 to **04060338**/120.307). If you upgrade to a different release, the conditions for upgrades apply.

Time

The following licenses provide a number of T&A and process optimization functions.

04060341 SW license for 100 persons for T&A   **Single license**
120.221 A

1+

- For registration of up to 100 persons with T&A functions within the system
- In a tenant system, the number of persons must be divided between the tenants

General T&A functions
- Comprehensive, centralized staff master data including displayable images of persons; can be combined with access control
- Dialog integrated into the staff master data for correction of all necessary time data
- Company hierarchies
- Calendar for defining various exceptional day groups
- Planning board for graphic display, entry, and correction of absences
- Automatic calculation of vacation entitlement for new employees
- Entry of hourly absences (time)
- Date-related change of time model and hierarchy, e.g., during reorganization or changes in department
- Automatic checking of legal compliance as regards shift sequences, including mandatory company rest days
- Individual rounding per work profile

Time definitions
- Definition of work models using time types, absence definitions, time ranges, and work profiles
- Parameters can be set for absence, bonus and overtime definitions
- Stipulation of daily, monthly and yearly quota working times
- Rest period monitoring
- Advance planning of periodically recurring and known absences
- Automatic accounting of all entered time registrations, corrections, and planned absences

Reports
Generation of evaluations for T&A:
- Time data sheet (PDF)
- Error list (PDF)
- Graphic absence overview (PDF)
- Day journal (PDF, Excel)
- Monthly statistics (PDF, Excel)
- Annual statistics (PDF, Excel)
- Cost centers reports (PDF)

All evaluations are based on Microsoft RDLC and can be used in both the full dialog and the web dialog. The evaluations are based on RDLC templates, which can be adjusted to customer specifications if necessary.

⚠ Please note that the 'Extended report function' license (art. no. **04060284**/120.300) is required for freely definable balance/total evaluations.

04060342 **SW license for every further 100 persons for T&A**   **Single license**
120.225 A

1+

- For registration of up to 100 additional persons with T&A functions within the system
⚠ - This license can only be used in conjunction with SW license '100 persons for T&A'
(art. no. **04060341/**120.221) or SW license '1,000 persons for T&A'
(art. no. **04060343/**120.230)

04060343 **SW license for 1,000 persons for T&A**   **Single license**
120.230 A

1+

- For registration of up to 1,000 persons with T&A functions within the system
- In a tenant system, the number of persons must be divided between the tenants

04060344 **SW license for every further 1,000 persons for T&A**   **Single license**
120.235 A

1+

- For registration of up to 1,000 additional persons with T&A functions within the system.
- Up to a maximum of 10,000 persons
⚠ - This license can only be used in conjunction with SW license '1,000 persons for T&A'
(art. no. **04060343**120.230)

04060345 **SW license Transfer program**   **System license**
120.280 A

- Parameters can be set for transfers (daily, weekly, monthly, yearly)

04060346 **SW license Cost center accounting**   **System license**
120.281 A

- Registration of cost center times per person
- Evaluation per person and company hierarchy
- Evaluation per department and company

04060347 **SW license Mass time and fast time correction**   **System license**
120.282 A

- Fast registration and entry of multiple time corrections per person by means of a special dialog
- Collective registration and entry of a time correction per group of persons by means of a special dialog

04060348 **SW license Individual messages T&A**   **System license**
120.287 A

- Automatic error list sent by e-mail to the relevant employee in the event of incorrect time data (e.g., forgotten coming/leaving bookings, absence without reason, core time violation, etc.)
- The administrative burden on employees is reduced to a minimum

04060349 **SW license Standby accounting**   **System license**
120.291 A

- Bonus calculation for standby service (and integration with personnel operational planning system)

04060350 **SW license Option package**   **System license**
120.301 A

- Including 1 SW license 'Transfer program' (art. no. **04060345**/120.280)
- Including 1 SW license 'Cost center accounting' (art. no. **04060346**/120.281)
- Including 1 SW license 'Mass time and quick-correction' (art. no. **04060347**/120.282)
- Including 1 SW license 'Individual messages T&A' (art. no. **04060348**/120.287)
- Including 1 SW license 'Standby accounting' (art. no. **04060349**/120.291)

04060351 **SW license T&A functions for employees**   **System license**
120.275 A

- Supports the following T&A functions:
  - Display time data sheet
  - List of absent persons and display of the absence reason
  - Coming/Leaving registration (with reason)
  - Time data sheet correction registration
- The employee can be given individual rights for the 'Coming/Leaving' and 'Time data sheet corrections' functions
- Planning board display:
  - Graphic display of authorized half-day or whole-day absences in the past and into the future
- A SW license 'Web Client ESS for x employees' (art. nos. **04060300**/120.250 to **04060306**/120.256) is also required

04060352 **Software license T&A functions for supervisors**   **System license**
120.278 A

- Supports the following T&A functions:
  - Display and correction of time data sheets of the assigned employees
  - Signature function for employees and supervisor
- Planning board display:
  - Graphic display of authorized half-day or whole-day absences, work profiles, error codes (e.g., in the event of core time/frame time violations, etc.)
- Workflow:
  - Approval of vacation and other absence applications
- The following SW licenses are also required:
  - SW license 'Web Client' for x supervisors (art. nos. **04060292**/120.240 to **04060299**/120.247)
  - SW license 'T&A functions for employees' (art. no. **04060351**/120.275)

ERP/SAP® integration

Connector *for SAP® ERP*

04060353 SW license Connector *for SAP® ERP* up to 150 persons   **System license**
120.500 A

- Certified SAP interface (B-COMM ERP) for importing staff data and profile memberships into Kaba exos. Profiles are defined in Kaba exos.
- No exchange of time registration bookings
- Shared use of number of persons within a tenant system (not divided between individual tenants)

04060354 SW license Connector *for SAP® ERP* up to 250 persons   **System license**
120.501 A

04060355 SW license Connector *for SAP® ERP* up to 500 persons   **System license**
120.502 A

04060356 SW license Connector *for SAP® ERP* up to 1,000 persons   **System license**
120.503 A

04060357 SW license Connector *for SAP® ERP* up to 2,000 persons   **System license**
120.504 A

04060358 SW license Connector *for SAP® ERP* up to 3,000 persons   **System license**
120.505 A

04060359 SW license Connector *for SAP® ERP* up to 5,000 persons   **System license**
120.506 A

04060360 SW license Connector *for SAP® ERP* up to 7,500 persons   **System license**
120.507 A

04060361 SW license Connector *for SAP® ERP* up to 10,000 persons   **System license**
120.508 A

For SW licenses for more than 10,000 persons, please submit a separate inquiry.

⚠️ It is possible to extend the license to a larger number of persons (keeping the same release) and offset the cost paid for the previous license against the new one (e.g., art. nos. **04060353**/120.500 to **04060355**/120.502). If you upgrade to a different release, the conditions for upgrades apply.

04060362 **SW license interface to B-COMM ERP**   **System license**
120.510 A

- Time registration bookings exchanged between Kaba exos and ERP system
- For importing staff data, profile membership, and registration authorization groups from the ERP system into Kaba exos
- ⚠ A 'B-COMM ERP *for SAP ERP*' SW license is required. This can be ordered from Kaba GmbH, Access & Workforce Management (see price list for Solution House Workforce Management)

For SW licenses for more than 10,000 persons, please submit a separate inquiry.

Interface to 3rd party systems (CC1)

04060363 **SW license interface to 3rd party systems (CC1) up to 250 persons**   **System license**
120.494 A

- For exchanging staff data, profile memberships, registration authorization groups, and time registration data between Kaba exos and third-party systems
- For the import and management of up to 250 persons within the system
- In a tenant system, the number of persons is not divided between the tenants but used jointly

04060364 **SW license interface to 3rd party systems (CC1) up to 500 persons**   **System license**
120.495 A

04060365 **SW license interface to 3rd party systems (CC1) up to 1,000 persons**   **System license**
120.496 A

04060366 **SW license interface to 3rd party systems (CC1) up to 3,000 persons**   **System license**
120.497 A

04060367 **SW license interface to 3rd party systems (CC1) up to 10,000 persons**   **System license**
120.498 A

For SW licenses for more than 10,000 persons, please submit a separate inquiry.

⚠ It is possible to extend the license to a larger number of persons (keeping the same release) and offset the cost paid for the previous license against the new one (e.g., art. nos. **04060363**/120.494 to **04060365**/120.496). If you upgrade to a different release, the conditions for upgrades apply.

04060369 Kaba exos® 9300 upgrade license, annual fee
120.315 A

- Guarantees free subscription to the latest Kaba exos 9300 releases for the term of its duration
- Guaranteed system operation for the future
- Use of new functions and options
- Support for new hardware components, e.g., new reader generation
- Cost savings through upgrade capability
- Independence from IT product life cycles
- Support for new operating systems and database standards
- Support for customized software and special adaptations
- The order must be made within 6 months of the initial SW order.
  An upgrade release (art. no. 120.316) must then be purchased at the same time.
- The license can only be terminated with effect from the end of the calendar year, subject to a notice period of 1 month
- Details are given in the price list

04060370 Kaba exos® 9300 upgrade release
120.316 A

- Upgrade to the latest release; for systems without an upgrade license
- The current configuration and project name must be specified
- Customized programs and special adaptations are not included. These are only covered by an upgrade license.

04060371 Additional CD
192.050 A

Containing:
- 1 CD
- CD burned according to customer's specifications

04060372 Documentation CD
192.051 A

- Complete Kaba exos software and hardware documentation

Kaba exos® 9300-SBS (Small Business Solution)

⚠️ The articles listed in this section cannot be combined with or used alongside articles from the sections entitled 'Kaba exos® 9300' or 'B-COMM ERP AC *for SAP® ERP*'.

The following SW licenses/functions are explicitly excluded:

- SW license for an 'Additional tenant'
- SW license 'Contractor management'
- SW licenses for more than 500 persons
- SW licenses for more than 512 access points
- Customer-specific software modifications

System

The following licenses are required for the basic setup of an access control system (e.g., basic parameter settings, data organization, data separation, authorization control for system operators, etc.).

04060373 SW license Kaba exos® 9300-SBS basic system   **System license**
123.381 A

    ✅ Including 1 SW license 'Administrator workplace for 1 user' (art. no. **04060375**/123.261)

- Support of up to 99 communication hubs
- Remote connection of access hubs[1]/terminals
- Supports multi-user operation
- Support for Single Sign-On (SSO)
- Support for Microsoft® SQL Server 2005, 2008, and SQL Server Express, as well as for Oracle® 10g/11g databases
- Management of persons and user media for access control and T&A
- Management of access points
- Management of users and user authorizations
- Management of company hierarchies and exceptional days for access control and T&A
- System parameter management
- Assignment of staff images
- Support for automatic program starts
- Extensive logging for system evaluation
- Alarm handling
- Free fields for customer-specific data
- Logbooks
- Badge logbook
- Transitional user medium:
  Access rights (incl. CardLink™) and T&A data from the active user medium are transferred to the transitional user medium
- Registration of user media numbers
- Management of mechanical master key systems for 50 components
- Blacklist:
  - Verification of all newly registered or imported persons against the blacklist
  - The blacklist entry applies to the whole system or per tenant

- Optional: SW delivered on CD-ROM incl. documentation and online help
[1] LEGIC only

04060374 **SW license Extended report function**   **System license**
123.300 A

- Extended functions for reports:
  - Starting reports from the dialogs
  - Reports can be started with separate program (without Kaba exos)
  - Automatic starting of reports (e.g., weekly)
- Comprehensive filter and grouping options
- Extended T&A reports via Web Client:
  - Creation of user-defined reports in tabular form for evaluating T&A data (e.g., balances on a specific date)
  - Can be applied to selected persons or hierarchy levels
  - Specific user authorizations for report definition and execution
  - Output format can be either Adobe PDF or Microsoft Excel

Dialogs

The following dialog licenses are required in order to use the function licenses described in the other sections.

In addition to the interactive workstations that are already available, it is becoming increasingly common for functions to be accessed via the Web Clients. The Web Clients are licensed on the basis of three different roles, 'Administrator', 'Supervisor', and 'ESS' (Employee Self Service), depending on usage.

Interactive workstation / Web Client Administrator

04060375 **SW license Administrator workplace for 1 user**   **Single license**
123.261 A

1+

- A license permanently assigned to one person allows access to the Kaba exos 9300 system from the Web Client via predefined program groups (named user license). This license also provides access to the 'Web Client Supervisor' and 'Web Client ESS' functions. Furthermore, the person concerned is authorized to use an interactive workstation without an additional concurrent license having to be assigned.
- A license not permanently assigned to one person allows access to the Kaba exos 9300 system from an interactive workstation via predefined program groups (concurrent license).

Interactive workstation:
- Dialog software in German, English, and French for Windows® (Windows® XP and higher) with integrated online help and shortcut key functions (hotkeys)
- Multilingual concept: Language can be defined for each user
- Use of one license by different users possible
- Integrated authorization check at the start of the dialog
- Support for Single Sign-On (SSO)
- The following functions are available provided that the relevant license has been obtained:
  - System management
  - Staff data management
  - Alarm handling
  - Logbooks
  - Access management
  - T&A management (excluding planning board extensions)
  - Visitor management
  - Badge management
  - Manual image verification
  - Parking management
  - Interactive graphics application
  - SAP management

- All dialogs are Unicode-capable
- Programming of additional segments on existing user media[1, 5]
- Update of the CardLink authorizations for all persons registered in the system[2, 4]

Web Client Administrator:
- The following functions are available provided that the relevant license has been obtained:
  - Staff data management
  - System logbook
  - Alarm logbook
  - Error logbook
  - Access logbook
  - Audit logbook
  - Depot logbook
  - Parking logbook
  - Badge logbook
  - Roll Call[3]
- Update of the CardLink authorizations for all persons registered in the system[2]

[1] A 'Programming of additional segments' SW license (art. no. **04060393**/123.340) is also required
[2] A 'CardLink™' SW license (art. no. **04060402**/123.286) is also required
[3] An 'X online access points' SW license (art. nos. **04060394**/123.352 to **04060401**/123.359) is also required
[4] Requires Internet Explorer (ActiveX)
[5] LEGIC only

04060376 **SW license Administrator workplace for 3 users**	**Single license**
123.262 A	1+

04060377 **SW license Administrator workplace for 6 users**	**Single license**
123.263 A	1+

04060378 **SW license Administrator workplace for 10 users**	**Single license**
123.264 A	1+

04060379 **SW license Administrator workplace for 30 users**	**Single license**
123.265 A	1+

04060380 **SW license Administrator workplace for 60 users**	**Single license**
123.266 A	1+

04060381 **SW license Web Client for 1 supervisor** **Single license**
123.240 A

1+

> ✅ This license also provides access to the functions of a 'Web Client ESS'

- Personal license (named user)
- Allows access to the Kaba exos 9300 system from any workstation by means of predefined program groups
- Supervisor functions are utilized by assigning a user group to the respective employees along with the predefined rights from the Web Client
- Update of the CardLink authorizations for all employees[1, 2]

[1] A 'CardLink™' SW license (art. no. **04060322/**123.286) and Internet Explorer (ActiveX) are also required
[2] This function can only be utilized if the system is also being used for T&A (SW license 'x persons for T&A')

04060382 **SW license Web Client for 3 supervisors** **Single license**
123.241 A

1+

04060383 **SW license Web Client for 6 supervisors** **Single license**
123.242 A

1+

04060384 **SW license Web Client for 10 supervisors** **Single license**
123.243 A

1+

04060385 **SW license Web Client for 30 supervisors** **Single license**
123.244 A

1+

04060386 **SW license Web Client for 60 supervisors** **Single license**
123.245 A

1+

04060387 **SW license Web Client for 100 supervisors** **Single license**
123.246 A

1+

Web Client ESS (Employee Self Service)

04060388	SW license Web Client ESS for 100 employees	Single license
123.250 A		1+

- Personal license (named user)
- Allows access to the Kaba exos 9300 system from any workstation
- Personal settings
- Personal access logbook
- Update of personal CardLink authorizations[1]
- Change of personal PIN code

[1] A 'CardLink™' SW license (art. no. **04060402**/123.286) is also required

04060389	SW license Web Client ESS for 300 employees	Single license
123.251 A		1+

⚠️ If additional persons need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer requires an extension of the SW license 'Web Client ESS' from 200 employees (2 x 100 employees) to a SW license with 300 employees. An additional SW license for 100 employees is required for the extension.

Persons

The following function licenses are required for the registration, management, logging, and evaluation of various groups of persons in the access control system.

04060390 SW license Visitor management   **System license**
123.294 A

Basic package for the management of visitors with the following options:
- Register visitor data
- Print visitor pass
- Assign visitor photograph[1]
- Print visitor cards/badges[1]
- Issue/take back visitor media[2]
- Check visitors in and out in parking management[3]
- Issue of transitional user media at the visitor management station[2]
- Issue temporary or permanent blacklist for visitors
- Visitor automatically checked out at a defined reader (e.g., Card Collector CRP-M01)
- Free fields for customer-specific data
- Registration procedures open to customer-specific adaptation
- Registration of visitors via Web Client[4]

[1] Only available with SW license 'KabaCard' (art. no. **04060392**/123.283) and corresponding licenses for the IDExpert SDK components used (art. nos. **04060434**/124.102 to **04060439**/124.105)

[2] Only available with SW license 'Badge management' (art. no. **04060391**/123.293)

[3] Only available with SW license 'Parking management' (art. no. **04060406**/123.388)

[4] Only available with SW license 'Web Client ESS for x employees' (art. nos. **04060388**/123.250 and **04060389**/123.251)

Media

The following function licenses are required for the management, production, or programming of media.

04060391 **SW license Badge management**	**System license**
123.293 A	

- Combined media
- Several media definitions and/or user media numbers/company codes and site keys
- Block/delete all user media for one person
- Management of invalid/lost user media
- User media and user media number management separate from staff master data
- Visitor media management separate from staff master data, with SW license 'Visitor management' (option)
- Initialized user medium for secure and automatic replacement of old user media
- Service medium for CardLink™ to block specific user media in standalone components
- Logging of all relevant actions performed using user media
- Printing of a receipt when a user medium is issued
- Several enabled media per person

Extended user medium functionality
- Flexible combination of different media in the Kaba exos system
- Media information to simplify evaluations and overviews

04060392 **SW license KabaCard**	**System license**
123.283 A	

- Basic license for integrated badge production
- Requires at least one of the following IDExpert SDK components, for which additional licenses must be purchased:
  - SW license 'IDCaptureX' (art. no. **04060434**/124.102)
  - SW license 'IDPrintX' (art. no. **04060435**/124.103)
  - SW license 'IDCodeX-LEGIC prime' (art. no. **04060436**/124.104)
  - SW license 'IDCodeX-LEGIC advant' (art. no. **04060483**/124.104)
  - SW license 'IDCodeX-MIFARE Classic' (art. no. **04060437**/124.120)
  - SW license 'IDCodeX-MIFARE DESFire' (art. no. **04060438**/124.121)
  - SW license 'CardDesigner' (art. no. **04060439**/124.105)

  Without licenses, the IDExpert SDK components will run as demo versions.

04060393 **SW license Programming of additional segments**	**System license**
123.340 A ⚠ **LEGIC**	

- The following segment types can also be programmed on existing user media:
  - Kaba Standard Application Definition (KSAD)
  - Kaba Group Header (includes programming of the user media number)
  - LEGIC access™ (includes programming of the user media number)
  - LEGIC biometric™
  - CardLink™ for LEGIC prime
- A B-Net 91 07 or B-web 91 08 desktop reader is required for programming
- The SW licenses 'Badge management' (art. no. **04060391/**123.293) and 'Administrator workplace for x users' (art. nos. **04060375**/123.261 to **04060380**/123.266) are also required

Access

The following function licenses are required for a large number of specific access control applications.

The SW license for online access points supports complete door management for the access hub and an unlimited number of access profiles, as well as full integration and management of Kaba standalone components in Kaba exos. This license also covers the binary datapoints function, which integrates the binary inputs and outputs of access hubs.

The SW licenses for online access points can be combined as required.

Example:
A SW license for 48 access points consists of 1 SW license for 16 access points and 1 SW license for 32 access points.

04060394 SW license for 4 online access points[1]   **Single license**
123.352 A

     (1+)

- For operation of up to 4 online access points with identification (1 or 2 registration units/ readers per access point connected). Access points without identification do not require a SW license

General basic functions which can be used with this and the following licenses:
- Central management for registering all important, access-related authorization data
- Parameters for regional exceptional days can be set in the annual calendar
- Access logbook to log movement data
- Management of Kaba standalone components

Access functions:
- Anti pass back
- In/out control; min./max. control of persons
- Passage control
- Person and room balancing
- Temporary personal rights/profiles
- Profile-controlled biometric verification
- Profile-controlled PIN code check; duress alarm
- Automatic blocking of user media (in the event of multiple failed PIN code attempts)
- Personal PIN code change (Web Client ESS)
- Access point management:
   - Interlocking door/turnstile
   - Interlocking door with integrated weighing scale[2, 4]
   - 'Access allowed' signal for alarm bypass in alarm systems
   - Office mode (personal/general)
- Code lock function
- Two-person access control (dual-control principle)
- Random rejection[2, 5]
- Monitoring and control of 8 or 4 alarm zones per access hub in conjunction with an intrusion detection system[3]

[1] Licensing is based on the number of access points with online access decision (identification via user medium or access code). Access points without identification (door monitoring only) are not covered by this license.
[2] Only in conjunction with Kaba exos AMC Flash E (art. no. **0407762x**/154.38x)
[3] Only in conjunction with Kaba exos AMC Flash E with PC104 I/O board or Access Manager MIFARE/LEGIC with Kaba IC8/OC8
[4] Not supported by Access Manager MIFARE/LEGIC
[5] Supported in Access Manager MIFARE/LEGIC

04060395 **SW license for 8 online access points**   **Single license**
123.353 A

1+

04060396 **SW license for 16 online access points**   **Single license**
123.354 A

1+

04060397 **SW license for 32 online access points**   **Single license**
123.355 A

1+

04060398 **SW license for 64 online access points**   **Single license**
123.356 A

1+

04060399 **SW license for 128 online access points**   **Single license**
123.357 A

1+

04060400 **SW license for 256 online access points**   **Single license**
123.358 A

1+

04060401 **SW license for 512 online access points**   **Single license**
123.359 A

1+

⚠️ If additional access points need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer needs to extend the SW license from 96 access points (32 + 64 access points) to a SW license with 128 access points. An additional SW license for 32 access points must be purchased in order to extend the license.

04060402 **SW license CardLink™**   **System license**

123.286 A

- Management of CardLink™ standalone components in Kaba exos
- Transmission of the validated access authorizations via media from Kaba exos to the CardLink™ standalone components
- Transmission of security-relevant statuses from the CardLink™ standalone components to Kaba exos via the media
- ⚠ Kaba elolegic/LEGIC prime
  - For putting CardLink™ standalone components into operation and maintaining them, Kaba exos supports Kaba programmer 1364
  - Automatic read-in of unique numbers from existing user media on registration units/ readers with CardLink™ (validation)
  - To use the CardLink function,™ a SW license 'x online access points' (art. nos. **04060394**/123.352 to **04060401**/123.359) and a SW license 'Badge management' (art. no. **04060391**/123.293) are required
- ⚠ Kaba evolo/LEGIC advant/MIFARE ARIOS
  - For putting CardLink™ standalone components into operation and maintaining them, Kaba exos supports Kaba programmer 1460
  - To use the service medium for CardLink™ to block specific user media in standalone components, a SW license 'Badge management' (art. no. **04060391**/123.293) is required
  - To use the CardLink function,™ a SW license 'x online access points' (art. nos. **04060394**/123.352 to **04060401**/123.359) is required
  - Access traceback is also possible via the media

04060403 **SW license Manual image verification**   **System license**

123.289 A

- Several access points can be monitored via multi-user operation by displaying staff images in sequence
- The next image to be verified is selected from a queue
- Direct release of the access points from the interactive workstation
- Parameters can be set to adjust the duration of image display
- Parameters can be set for the display of staff data and access authorizations

04060404 **SW license Depot control**   **Single license**

123.297 A   ⚠ **LEGIC**   1+

- For operation of 1 depot device (key issue, depot boxes)
- A maximum of 192 depots are available for each depot device
- Administration and control of depot boxes (e.g., P.O. boxes) and pipe cylinders
- Allows keys and other objects to be issued and returned in a monitored and time-controlled manner
- The authorizations for the depots can be assigned via the access profile
- Overview of the current status of present and removed depot objects (e.g., keys)
- Dedicated logbook for online evaluations when moving items from and to depots
- Requires Kaba exos AMC Flash E in order to connect the depot (art. no. **0407762x**/154.38x)
- Use of registration units/readers with PIN code keypad possible
- Depot readers within the system do not require any 'x online access points' SW licenses (art. nos. **04060394**/123.352 to **04060401**/123.359)

04060405 **SW license Individual messages AC** **System license**
123.298 A

- Automatic e-mail request to update the CardLink authorizations; sent to the relevant employee
- Safety check and automatic e-mail requests to attend a refresher course; sent to the relevant employees/contractor employees

04060406 **SW license Parking management** **System license**
123.388 A

- For the efficient use of company parking lots
- Controls person-related access authorizations for parking areas
- Parking areas can be divided into parking lot pools for different groups (e.g., tenants, employees, visitors) for optimum organization
- Access depends on the rights and availability of a parking lot pool
- Each parking area must have at least one entrance and one exit reader
- Comprehensive evaluation options via logbook with person-related entrances and exits
- The license can also be used to assign visitor parking spaces(Option SW license 'Visitor management', art. no. **04060390**/123.294)

04060407 **SW license Interface to SecLoc** **System license**
123.390 A

- Allows the use of cell phones for access identification and making T&A bookings in the Kaba exos system
- Ideal for remote outdoor locations; no assignment of user media necessary
- Connection of Kaba exos 9300 and Mohito Server
- Cell phone function can be selected via SecLoc (Mohito application); access rights and authorization via Kaba exos
- Mohito license (SecLoc) also required

04060408 **SW license Management of MKS** **Single license**
123.341 A **for 250 components**

1+

- For the management of mechanical components (key and locking cylinder) in the system
- Interface for importing existing data from master key systems (.KWD format; other formats upon request).
- Manual definition of components
- List view and key plan view
- Hierarchical structuring of master key systems
- Grouping mechanism for media
- Central overview or inquiry option for all authorizations assigned to a person (online, mechatronic/CardLink™, mechanical)
- Evaluation option to prevent infiltration of the online authorization system by means of mechanical keys
- Efficient identification of persons via desktop reader
- Process-oriented key issue and return
- PDF or printout of a receipt for key issue or return
- Reminder function for planned key returns or inspections
- Logging of all transactions

Please note that engineering services may be necessary for data import, in the event that the master key system data are not present in their correct form in a .KWD file.

| 04060409 | SW License Management of MKS | Single license |
| 123.342 A | **for 500 components** | 1+ |

| 04060410 | SW License Management of MKS | Single license |
| 123.343 A | **for 1,000 components** | 1+ |

| 04060411 | SW License Management of MKS | Single license |
| 123.344 A | **for 2,000 components** | 1+ |

| 04060412 | SW License Management of MKS | Single license |
| 123.345 A | **for 4,000 components** | 1+ |

| 04060413 | SW License Management of MKS | Single license |
| 123.346 A | **for unlimited number of components** | 1+ |

⚠ If additional components need to be added, this can only be achieved by means of supplementary SW licenses.

Example:
For a particular project, a customer requires an extension of the SW license 'Management of MKS' from 500 components to a SW license with 1,000 components. An additional SW license for 500 components is required for the extension.

Alarms

The following licenses make alarm and control functions available from and to other systems.

04060414 SW license Interactive graphics application   **System license**
123.284 A

- Interactive graphical overview showing the status of all online peripherals; in real time
- Multiple graphical overviews possible in one system
- Automatic generation of page and datapoint hierarchy
- Simple configuration of the graphics with drag and drop
- Interactive operation of datapoints (access points and binary contacts)
- Issue of group commands (e.g., opening several doors with one command)
- Includes a library of icons for displaying statuses (can be freely extended)
- Datapoint server: Real-time interface for forwarding events, alarm messages, and movement data for third-party applications via TCP/IP in XML-format. The third-party application is responsible for connection set-up and interpreting messages.

04060415 SW license OPC Server   **System license**
123.285 A

- Integration of Kaba exos into existing third-party applications (e.g., facility management systems)
- Transmission of alarms and events from Kaba exos access control to the third-party application
- Receipt of access control commands from the third-party application
- The third-party application is responsible for connection set-up and interpreting messages
- For information regarding implemented interfaces, please contact awm.sales@kaba.com

IT integration

The following function licenses allow interaction with other applications in the IT environment.

04060416 SW license LDAP connection for up to 250 persons   **System license**
123.305 A

- Lightweight Directory Access Protocol (LDAP) connecting Kaba exos 9300 to existing directory services used by the customer
- Alignment of Kaba exos staff data with that of the central directory service
- Alignment with several directory services possible
- ⚠ This license does not include the engineering services required for integration at the customer's site

04060417 SW license LDAP connection for up to 500 persons   **System license**
123.306 A

⚠ It is possible to extend the license to a larger number of persons (keeping the same release) and offset the cost paid for the previous license against the new one (art. nos. **04060416**/123.305 to **04060417**/123.306). If you upgrade to a different release, the conditions for upgrades apply.

Time

The following licenses provide a number of T&A and process optimization functions.

04060418 SW license for 100 persons for T&A   **Single license**
123.221 A

1+

- For registration of up to 100 persons with T&A functions within the system

General T&A functions
- Comprehensive, centralized staff master data including displayable images of persons; can be combined with access control
- Dialog integrated into the staff master data for correction of all necessary time data
- Company hierarchies
- Branch support (option SW license 'Remote connection of access hubs/terminals', art. no. 123.268)
- Calendar for defining various exceptional day groups
- Planning board for graphic display, entry, and correction of absences
- Automatic calculation of vacation entitlement for new employees
- Entry of hourly absences (time)
- Date-related change of time model and hierarchy, e.g., during reorganization or changes in department
- Automatic checking of legal compliance as regards shift sequences, including mandatory company rest days
- Individual rounding per work profile

Time definitions
- Definition of work models using time types, absence definitions, time ranges, and work profiles
- Parameters can be set for absence, bonus and overtime definitions
- Stipulation of daily, monthly and yearly quota working times
- Rest period monitoring
- Advance planning of periodically recurring and known absences
- Automatic accounting of all entered time registrations, corrections, and planned absences

Evaluations
Generation of evaluations for T&A:
- Time data sheet (PDF)
- Error list (PDF)
- Graphic absence overview (PDF)
- Daily bulletin (PDF, Excel)
- Monthly statistics (PDF, Excel)
- Annual statistics (PDF, Excel)
- Cost center accounting (PDF)

All evaluations are based on Microsoft RDLC and can be used in both the full dialog and the web dialog. The evaluations are based on RDLC templates which can be adjusted to customer specifications if necessary.

⚠ Please note that the 'Extended report function' license (art. no. **04060374**/123.300) is required for freely definable balance/total evaluations.

04060419 SW license for every further 100 persons for T&A   **Single license**
123.225 A

1+

- For registration of up to 100 additional persons with T&A functions within the system
⚠ - This license can only be used in conjunction with SW license '100 persons for T&A' (art. no. **04060418**123.221)

04060420 **SW license Transfer program**   **System license**
123.280 A

- Parameters can be set for transfers (daily, weekly, monthly, yearly)

04060421 **SW license Cost center accounting**   **System license**
123.281 A

- Registration of cost center times per person
- Evaluation per person and company hierarchy
- Evaluation per department and company

04060422 **SW license Mass time and fast time correction**   **System license**
123.282 A

- Fast registration and entry of multiple time corrections per person by means of a special dialog
- Collective registration and entry of a time correction per group of persons by means of a special dialog

04060423 **SW license Individual messages T&A**   **System license**
123.287 A

- Automatic error list sent by e-mail to the relevant employee in the event of incorrect time data (e.g., forgotten coming/leaving bookings, absence without reason, core time violation, etc.)
- The administrative burden on employees is reduced to a minimum

04060424 **SW license Standby accounting**   **System license**
123.291 A

- Bonus calculation for standby service (and integration with personnel operational planning system)

04060425 **SW license Option package**   **System license**
123.301 A

- ✅ Including 1 SW license 'Transfer program' (art. no. **04060420**/123.280)
- ✅ Including 1 SW license 'Cost center accounting' (art. no. **04060421**/123.281)
- ✅ Including 1 SW license 'Mass time and quick-correction' (art. no. **04060422**/123.282)
- ✅ Including 1 SW license 'Individual messages T&A' (art. no. **04060423**/123.287)
- ✅ Including 1 SW license 'Standby accounting' (art. no. **04060424**/123.291)

04060426 **SW license T&A functions for employees**   **System license**
123.275 A

- Supports the following T&A functions:
  - Display time data sheet
  - List of absent persons and display of the absence reason
  - Coming/Leaving registration (with reason)
  - Time data sheet correction registration
- The employee can be given individual rights for the 'Coming/Leaving' and 'Time data sheet corrections' functions
- Planning board display:
  - Graphic display of authorized half-day or whole-day absences in the past and into the future
- A SW license 'Web Client ESS for x employees' (art. nos. **04060388**/123.250 and **04060389**/123.251) is also required

04060427 **Software license T&A functions for supervisors**   **System license**
123.278 A

- Supports the following T&A functions:
  - Display and correction of time data sheets of the assigned employees
  - Signature function for employees and supervisor
- Planning board display:
  - Graphic display of authorized half-day or whole-day absences, work profiles, error codes
    (e.g., in the event of core time/frame time violations, etc.)
- Workflow:
  - Approval of vacation and other absence applications
- The following SW licenses are also required:
  - SW license 'Web Client' for x supervisors (art. nos. **04060381**/123.240 to
    04060387/123.246)
  - SW license 'T&A functions for employees' (art. no. **04060426**/123.275)

ERP/SAP® integration

Connector *for SAP® ERP*

04060428 **SW license Connector *for SAP® ERP* up to 150 persons**   **System license**
123.500 A

- Certified SAP interface (B-COMM ERP) for importing staff data and profile memberships
  into Kaba exos. Profiles are defined in Kaba exos.
- No exchange of time registration bookings

04060429 **SW license Connector *for SAP® ERP* up to 250 persons**   **System license**
123.501 A

04060430 **SW license Connector *for SAP® ERP* up to 500 persons**   **System license**
123.502 A

⚠️ It is possible to extend the license to a larger number of persons (keeping the same release)
and offset the cost paid for the previous license against the new one (e.g., art. nos.
04060428/123.500 to **04060430**/123.502). If you upgrade to a different release, the conditions
for upgrades apply.

Interface to B-COMM ERP

04060431 **SW license interface to B-COMM ERP**   **System license**
123.510 A

- Time registration bookings exchanged between Kaba exos and ERP system
- For importing staff data, profile membership, and registration authorization groups from
  the ERP system into Kaba exos
- ⚠️ A 'B-COMM ERP *for SAP ERP*' SW license is required. This can be ordered from
  Kaba GmbH, Access & Workforce Management (see price list for Solution House
  Workforce Management)

| **04060432** | **SW license interface to 3rd party systems (CC1) up to 250 persons** | **System license** |
| 123.494 A | | |

- For exchanging staff data, profile memberships, registration authorization groups, and time registration data between Kaba exos and third-party systems
- For the import and management of up to 250 persons within the system

| **04060433** | **SW license interface to 3rd party systems (CC1) up to 500 persons** | **System license** |
| 123.495 A | | |

⚠️ It is possible to extend the license to a larger number of persons (keeping the same release) and offset the cost paid for the previous license against the new one (art. nos. **04060432**/123.494 to **04060433**/123.495). If you upgrade to a different release, the conditions for upgrades apply.

Miscellaneous

| **04060369** | **Kaba exos® 9300 upgrade license, annual fee** |
| 120.315 A | |

- Guarantees free subscription to the latest Kaba exos 9300-SBS releases for the term of its duration
- Guaranteed system operation for the future
- Use of new functions and options
- Support for new hardware components, e.g., new reader generation
- Cost savings through upgrade capability
- Independence from IT product life cycles
- Support for new operating systems and database standards
- The order must be made within 6 months of the initial SW order. An upgrade release (art. no. **04060370**120.316) must then be purchased at the same time.
- The license can only be terminated with effect from the end of the calendar year, subject to a notice period of 1 month
- Details are given in the price list

| **04060370** | **Kaba exos® 9300 upgrade release** |
| 120.316 A | |

- Upgrade to the latest release; for systems without an upgrade license
- The current configuration and project name must be specified

| **04060371** | **Additional CD** |
| 192.050 A | |

Containing:
- 1 CD
- CD burned according to customer's specifications

| **04060372** | **Documentation CD** |
| 192.051 A | |

- Complete Kaba exos software and hardware documentation

IDExpert® SDK components for badge production

⚠️ The articles listed in this section can only be used in conjunction with the SW license KabaCard (art. no. **04060310**/120.283 or **04060392**/123.283).

The following SW licenses are for the IDExpert (and IDCardX) SDK components, which are used for badge production. These components are licensed per workstation with HW dongles. It must be specified with the order how the SDK components will be assigned to the individual workstations (dongles).

HW dongle

04060440 HW dongle for IDExpert® SDK components
124.101 A
- For enabling the IDExpert SDK components
- One HW dongle and a matching XML file are required for each workstation
⚠️ - This dongle (Wibu Hardlock) is green in color and only works for IDExpert SDK components. The older IDCardX SDK components require a blue dongle (Hardlock USB Memory), which can be obtained from Kaba GmbH, Access & Workforce Management on request.

If additional IDExpert SDK components are to be licensed for an existing workstation, all it takes for the additional components to be enabled is a new XML file. The HW dongle listed under art. no. **04060440/**124.101 (green dongle) need not be reprogrammed, although the ID of the HW dongle is required for the generation of the new XML file.

In the case of older systems with a blue dongle (Hardlock USB Memory), no XML file is needed to enable the older IDCardX SDK components. If these older systems are extended, the dongle will have to be reprogrammed.

If a customer wishes to switch to the new IDExpert SDK components from the older IDCardX SDK components, which are enabled with the blue dongle (Hardlock USB Memory), then new HW dongles, listed under art. no. **04060440/**124.101 (green), must be purchased. The XML files required for the green dongles are also supplied by Kaba GmbH, Access & Workforce Management. After the new dongles (green) have been received, the old dongles (blue) must be returned to Kaba GmbH, Access & Workforce Management within 30 days. If the old dongles are not received by us within this period, we will charge the new price (instead of the price according to the upgrade conditions) for the SW licenses enabled with the dongles.

⚠️ If a HW dongle is lost, the linked SW licenses must also be repurchased.

⚠️ If a HW dongle is defective, it is only necessary to purchase a new dongle. Kaba GmbH, Access & Workforce Management supplies the replacement dongle (art. no. **04060440/**124.101) with the respective XML file at once. The defective dongle must, however, be sent to Kaba GmbH, Access & Workforce Management within 30 days. If the defective dongle is not received by us within this period, we will charge the new price for the SW licenses enabled with the dongle and these SW licenses will be included in the annual fees for any upgrade license (art. no. **04060369**/120.315).

04060434 **SW license IDCaptureX** **Single license**
124.102 A

1+

- Recording and display of a picture using a video camera, scanner, webcam, digital camera, or transfer from a file store or the clipboard
- Automatic image enhancement to avoid loss of image quality
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060435 **SW license IDPrintX** **Single license**
124.103 A

1+

- Display and printing of badges
- Uses definition files for badge layout, type, and coding. These files are created with SW license 'CardDesigner' (art. no. **04060439**/124.105)
- Standard barcode printing and magnetic strip coding
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060436 **SW license IDCodeX-LEGIC prime** **Single license**
124.104 A

1+

- Coding of badges of the LEGIC prime type. For the standard media definitions 'LEGIC Kaba Standard segmented' and 'LEGIC Kaba Standard unsegmented' a coding description will also be supplied (Release 3.1).
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060483 **SW license IDCodeX-LEGIC advant** **Single license**

1+

- Coding of badges of the LEGIC advent type. For the standard media definitions, KSAS1-LEA, KSAS2-LEA, and KSAS3-LEA, a coding description will also be supplied (Release 3.1).
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060437 **SW license IDCodeX-MIFARE Classic** **Single license**
124.120 A

1+

- Coding of badges of the MIFARE Classic type.
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060438 **SW license IDCodeX-MIFARE DESFire** **Single license**
124.121 A

1+

- Coding of badges of the MIFARE DESFire type (ISO 14443A). For the standard media definition, KSAS1-MID, a coding description will also be supplied.
⚠ ▪ Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

04060439 **SW license CardDesigner**   **Single license**
124.105 A

1+

- Design of badge layouts with picture, signature, logos, colored areas, lines, and text
- Definition of various user media types (e.g., employee, visitor)
⚠ - Requires SW license 'KabaCard' (art. no. **04060310/**120.283 or **04060392/**123.283)
- Requires one HW dongle (art. no. **04060440/**124.101) per workstation

Upgrade license for the IDExpert® SDK components

For the purposes of the Kaba exos® 9300 upgrade license (art. no. **04060369**/120.315), the IDExpert SDK components are counted as part of the Kaba exos system. This means that the upgrade license is either used in its entirety (Kaba exos including the SDK components) or not at all.

Software upgrades for the IDExpert® SDK components

In the case of existing systems for which, for historical reasons, the SDK components are not part of the upgrade license (art. no. **04060369/**120.315), or in the case of systems without upgrade licenses, the SDK components can be upgraded to the latest versions using the following SW upgrades. When upgrading, all SDK components of a workstation (of a dongle) must be updated simultaneously. After the upgrade, the IDExpert SDK components will be included in any upgrade license (art. no. **04060369/**120.315) which may apply.

⚠️ If a customer wishes to switch to the new IDExpert SDK components from the older IDCardX SDK components, which are enabled with the blue dongle (Hardlock USB Memory), then new HW dongles, listed under art. no. **04060440/**124.101 (green), must be purchased. After the new dongles (green) have been received, the old dongles (blue) must be returned to Kaba GmbH, Access & Workforce Management within 30 days. If the old dongles are not received by us within this period, we will charge the new price (instead of the price according to the upgrade conditions) for the SW licenses enabled with the dongles.

04060441 **SW upgrade IDCaptureX**   **Single license**
124.112 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060442 **SW upgrade IDPrintX**   **Single license**
124.113 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060443 **SW upgrade IDCodeX-LEGIC prime**   **Single license**
124.114 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060484 **SW upgrade IDCodeX-LEGIC advant**   **Single license**
                                                                           (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060444 **SW upgrade IDCodeX-MIFARE Classic**   **Single license**
124.125 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060445 **SW upgrade IDCodeX-MIFARE DESFire**   **Single license**
124.126 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

04060446 **SW upgrade CardDesigner**   **Single license**
124.115 A   (1+)

- Upgrade to the latest version; for systems without an upgrade license
- The dongle ID and project name must be specified

⚠ The Kaba exos 9300 upgrade release (art. no. **04060370**/120.316) cannot be used with the SDK components.

Hardware components for badge production

⚠ It is recommended that cameras, printers, etc. be obtained from vps ID Systeme GmbH or digital identification solutions.

The Kaba Portal (https://portal.kaba.biz) directory called 'Online/Kaba exos 9300/System/Produktinformationen/Important_Information' contains a file named 'Important Information E9 System 2009-2.pdf', which includes a list of the local vps contact persons (defined for each Kaba organization) for IDExpert.

B-COMM ERP AC *for SAP*® *ERP*

⚠️ The articles listed in this section cannot be combined with articles from the sections entitled 'Kaba exos® 9300', 'Kaba exos® 9300-SBS' or 'IDExpert SDK components for badge production'.

The following software licenses provide B-COMM ERP customers with an easy way of getting started with online access control using Kaba exos.

System

04060447 **B-COMM ERP AC *for SAP*® *ERP***   **System license**
122.100 A   **up to 500 persons, 32 access points**

- Supports and manages up to 500 persons and user media for access control
- Supports and manages up to 32 access points
- Administrator workplace for 1 user
- Interface to B-COMM ERP
- Support of up to 99 communication hubs
- Remote connection of access hubs
- Support for Single Sign-On (SSO)
- Support for Microsoft® SQL Server 2005, 2008, and SQL Server Express, as well as for Oracle® 10g/11g databases
- Management of users and user authorizations
- Management of company hierarchies and exceptional days for access control
- System parameter management
- Staff image registration
- Automatic program starts
- Extensive logging for system evaluation
- Alarm processing
- Free fields for customer-specific data
- Badge logbook
- Transitional user media with identical access rights to the enabled user medium
- Registration of user media numbers
- Blacklist:
  - Verification of all newly registered or imported persons against the blacklist
  - The blacklist entry applies to the whole system
- ⚠️ No customer-specific software modifications
- A 'B-COMM ERP for SAP ERP' SW license is required. This can be ordered from Kaba GmbH, Access & Workforce Management (see price list for Solution House Workforce Management)
- Optional: SW delivered on CD-ROM incl. documentation and online help

04060448 **B-COMM ERP AC *for SAP*® *ERP***   **System license**
122.105 A   **up to 10,000 persons, 128 access points**

⚠ If the release versions are identical, it is possible to extend the license from art. no. **04060447**/122.100 to **04060448**/122.105, with the new cost offset by that of the previous license (provided the release has not yet been discontinued).

Seamless migration to Kaba exos 9300/-SBS is possible (for details, see price list).

💡 License 'B-COMM ERP AC *for SAP ERP*' largely corresponds to a Kaba exos 9300/-SBS basic system (art. nos. **04060282**/120.380 or **04060373**/123.381) and includes the following functions:
- 128 or 32 online access points (art. nos. **04060317**/120.357 or **04060397**/123.355)
- Interface to B-COMM ERP (art. nos. **04060362**/120.510 or **04060431**/123.510)

Miscellaneous

04060369 B-COMM ERP AC upgrade license, annual fee
122.315 A

- Guarantees free subscription to the latest B-COMM ERP AC releases for the term of its duration
- Guaranteed system operation for the future
- Use of new functions and options
- Support for new hardware components, e.g., new reader generation
- Cost savings through upgrade capability
- Independence from IT product life cycles
- Support for new operating systems and database standards
- The order must be made within 6 months of the initial SW order.
  An upgrade release (art. no. **04060450**122.316) must then be purchased at the same time.
- The license can only be terminated with effect from the end of the calendar year, subject to a notice period of 1 month
- Details are given in the price list

04060470 B-COMM ERP AC upgrade release
122.316 A

- Upgrade to the latest release; for systems without an upgrade license
- The current configuration and project name must be specified

04060371 Additional CD
192.050 A

Containing:
- 1 CD
- CD burned according to customer's specifications

04060372 Documentation CD
192.051 A

- Complete Kaba exos software and hardware documentation

Access hubs

Kaba exos AMC/-II devices can be configured around basic unit no. 04072280.

⚠️ To protect your investment, you should use the new AM-x-based peripheral devices for new systems, if possible.
When extending an existing system, the relevant AMC peripherals should be used.

Overview of Kaba exos® AMC/-II

The following basic units (without CompactFlash) are available:

Type	Article number	Input voltage	Cabinet	Inputs/ outputs	Remarks
Kaba exos AMC 230V	**04072280** 154.300	230V AC	Yes	10/6	Ethernet connection, serial connection RS-485/4 (with cable set 154.151)[1]
Kaba exos AMC 24V	**04072280** 154.301	24V DC	No	10/6	
Kaba exos AMC 230V/19"	**04072280** 154.302	230V AC	Yes	10/6	

The following basic units (without CompactFlash) are available:

Type	Article number	Input voltage	Cabinet	Inputs/ outputs	Remarks
Kaba exos AMC II	**04072280** 154.310	24V DC	Yes	4/3	Ethernet connection only 230V input voltage with power supply unit option
Kaba exos AMC II without metal cabinet	**04072280** 154.311	24V DC	No	4/3	

The following CompactFlash units are available:

Type	Article number	Readers / Door managers	No. of media/persons[2]	No. of bookings
Kaba exos AMC Flash 2	**04077615** 154.350	2	approx. 100,000	approx. 30,000
Kaba exos AMC Flash 4	**04077616** 154.351	4	approx. 100,000	approx. 30,000
Kaba exos AMC Flash 8	**04077617** 154.352	8	approx. 100,000	approx. 30,000
Kaba exos AMC Flash 16	**04077618** 154.353	16	approx. 100,000	approx. 30,000

Kaba exos AMC Flash 32	04077619 154.354	32	approx. 100,000	approx. 30,000
Kaba exos AMC Flash 2E	04077620 154.380	2	approx. 50,000	approx. 30,000
Kaba exos AMC Flash 4E	04077621 154.381	4	approx. 50,000	approx. 30,000
Kaba exos AMC Flash 8E	04077622 154.382	8	approx. 50,000	approx. 30,000
Kaba exos AMC Flash 16E	04077623 154.383	16	approx. 50,000	approx. 30,000
Kaba exos AMC Flash 32E	04077624 154.384	32	approx. 50,000	approx. 30,000

[1] ⚠ If the serial connection RS-485/4 is used, the recommended number of persons is 5,000. If this value is exceeded, longer download times can be expected.

⚠ Due to long download times, we do not recommend the implementation of depot and elevator controls with serially connected access hubs.

[2] The number of user media that can be stored in the Kaba exos AMC/-II depends on the media definition (length of user media number) and the number of access grids that are used. With the Kaba exos AMC Flash 2 - 16 and Kaba Group Header, 100,000 media can be supported.

With the Kaba exos AMC Flash 32, on the other hand, the number is limited to 50,000. To find out how other media definitions are calculated, please contact Support.

💡 Higher number of media/persons or bookings available on request.

💡 No license is required for serial connection to the communication hub using the RS-485 interfaces.

Up to 16 devices can be connected on the Kaba exos AMC and up to 32 devices on the Kaba exos AMC II.

Kaba exos® AMC / AMC II

		154.300 B	154.301 B	154.302 C	154.310 B	154.311 B
	Basic unit					
04072280	**Kaba exos® AMC/-II**	X	X	X	X	X
	Design					
04077578	**Wall-mounted version 230V (AMC)**	X				
04077579	**19" rack 230V (AMC)**			X		
04077580	**Wall-mounted version (AMC II)**				X	
04077581	**Without cabinet 24V (AMC)**		X			
04077582	**Without cabinet (AMC II)**					X

	Host interface					
04076801	**Standard on-board Ethernet**	X	X	X	X	X
	Terminal interface					
04076807	**Standard RS 485**	X	X	X	X	X
	Power supply					
04076143	**230V AC internal**	X		X		
04077314	**24V DC**		X		X	X
	Hardware options					
04077627 162.408	**PC104 I/O board**	opt	opt		opt	opt
04077625 154.151	**RS-485 cable set**	opt	opt	opt		
04077626 162.410	**Serial cable RS-232**	opt	opt	opt	opt	opt
	Device software					
04077583	**Without Kaba exos® AMC Flash**	X	X	X	X	X
04077615 154.350	**Kaba exos® AMC Flash 2**	opt	opt	opt	opt	opt
04077616 154.351	**Kaba exos® AMC Flash 4**	opt	opt	opt	opt	opt
04077617 154.352	**Kaba exos® AMC Flash 8**	opt	opt	opt	opt	opt
04077618 154.353	**Kaba exos® AMC Flash 16**	opt	opt	opt	opt	opt
04077619 154.354	**Kaba exos® AMC Flash 32**				opt	opt
04077620 154.380	**Kaba exos® AMC Flash 2E**	opt	opt	opt	opt	opt
04077621 154.381	**Kaba exos® AMC Flash 4E**	opt	opt	opt	opt	opt
04077622 154.382	**Kaba exos® AMC Flash 8E**	opt	opt	opt	opt	opt
04077623 154.383	**Kaba exos® AMC Flash 16E**	opt	opt	opt	opt	opt
04077624 154.384	**Kaba exos® AMC Flash 32E**				opt	opt

Kaba exos® AMC

Basic unit with integrated Ethernet connection

04072280	**Kaba exos® AMC 230V**
154.300 B	⚠ **LEGIC**

Basic unit with the following scope of delivery:
(without CompactFlash)
- CPU for Kaba exos AMC:
  PC104 controller with integrated Ethernet connection
- Base board for Kaba exos AMC:
  with 10 inputs (2 of these are line-monitored), 6 outputs, and 1 RS-485 interface for connection of the BPA/9 Subset devices (2-wire party line)
- Installed in solid metal cabinet, lockable, with strain relief, power transformer (230V, 1.5A) and tamper switch, prewired

Options:
- RS-485 cable set (art. no. **04077625**/154.151) for serial connection to communication hub
- PC104 I/O board (art. no. **04077628/**162.408) with 8 monitored inputs and 8 relay outputs

04072280	**Kaba exos® AMC 24V**
154.301 B	⚠ **LEGIC**

Basic unit with the following scope of delivery:
(without cabinet, power transformer, or CompactFlash)
- CPU for Kaba exos AMC:
  PC104 controller with integrated Ethernet connection
- Base board for Kaba exos AMC:
  with 10 inputs (2 of these are line-monitored), 6 outputs, and 1 RS-485 interface for connection of the BPA/9 Subset devices (2-wire party line)

⚠ - To comply with CE guidelines, the device must be fitted in a metal cabinet
  (e.g., art. no. **04060239**/162.351)

Options:
- RS-485 cable set (art. no. **04077625/**154.151) for serial connection to communication hub
- PC104 I/O board (art. no. **04077628/**162.408) with 8 monitored inputs and 8 relay outputs

04072280	**Kaba exos® AMC 230V/19"**
154.302 C	⚠ **LEGIC**

Basic unit with the following scope of delivery:
(without CompactFlash)
- CPU for Kaba exos AMC:
  PC104 controller with integrated Ethernet connection
- Base board for Kaba exos AMC:
  with 10 inputs (2 of these are line-monitored), 6 outputs, and 1 RS-485 interface for connection of the BPA/9 Subset devices (2-wire party line)
- 2HE 19" metal cabinet with status display for the inputs and outputs, power transformer (230V, 1.5A) and top-hat rail for additional terminal strips
- Power cable not included in scope of delivery

Option:
- RS-485 cable set (art. no. **04077625/**154.151) for serial connection to communication hub

Basic unit with integrated Ethernet connection

04072280	**Kaba exos® AMC II**
154.310 B	⚠ **LEGIC**

Basic unit with the following scope of delivery:
(with cabinet; without power supply unit or CompactFlash)
- CPU for Kaba exos AMC II:
  PC104 controller with integrated Ethernet connection
- Base board for Kaba exos AMC II:
  with 4 inputs for insulated switches, 3 outputs with changeover contacts and 2 RS-485
  interfaces for connection of the BPA/9 Subset devices (2-wire party line)
- Installed in solid metal cabinet, lockable, with strain relief and tamper switch, pre-wired

Options:
- Power supply 230V/24V 100VA (art. no. **04060240/**162.350)
- PC104 I/O board (art. no. **04077628/**162.408) with 8 monitored inputs and 8 relay outputs

04072280	**Kaba exos® AMC II without metal cabinet**
154.311 B	⚠ **LEGIC**

Basic unit with the following scope of delivery:
(without cabinet, power supply unit, or CompactFlash)
- CPU for Kaba exos AMC II:
  PC104 controller with integrated Ethernet connection
- Base board for Kaba exos AMC II:
  with 4 inputs for insulated switches, 3 outputs with changeover contacts and 2 RS-485
  interfaces for connection of the BPA/9 Subset devices (2-wire party line)
⚠ - To comply with CE guidelines, the device must be fitted in a metal cabinet
  (e.g., art. no. **04060239/**162.351)

Options:
- Power supply 230V/24V 100VA (art. no. **04060240/**162.350)
- PC104 I/O board (art. no. **04077628/**162.408) with 8 monitored inputs and 8 relay outputs

04077625 **RS-485 cable set**
154.151 B ⚠ **LEGIC**
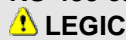
- Option for Kaba exos AMC (cannot be used for Kaba exos AMC II)
- For serial connection of Kaba exos AMC to the communication hub

04077627 **PC104 I/O board**
162.408 B ⚠ **LEGIC**

- Extension board for access hub Kaba exos AMC/-II with 8 monitored inputs and 8 relay outputs 30V/2A
- Required for monitoring and control of alarm zones by a Kaba exos AMC/-II

04060240 **Power supply 230V/24V 100VA**
162.350 B ⚠ **LEGIC**

- Option for Kaba exos AMC II and cascading unit
- For central power supply to a maximum of 10 access points
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

04060239 **Metal cabinet**
162.351 B ⚠ **LEGIC**

- Option for Kaba exos AMC II and cascading unit
- Lockable
- With tamper switch, DIN rail, and strain relief
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

04077626 **Serial cable RS-232**
162.410 B ⚠ **LEGIC**

- Option for Kaba exos AMC/-II
- For connection of serial devices for special functions

Kaba exos® AMC Flash

Delivery

The CompactFlash contains the firmware license. The CompactFlash card is delivered with a label attached for identification (article and order number).

Extensions

⚠️   Replaced CompactFlash cards cannot be returned!

If the license is extended, a corresponding Kaba exos AMC Flash card must be ordered. Due to the fact that the license is not assigned to one specific unit or customer, the replaced CompactFlash card can be used for another Kaba exos AMC/-II or customer.

Warranty exchange

A warranty exchange can only be made if the label on the returned CompactFlash card is intact and legible.

⚠️   The following articles are valid for separatley ordered AMC Flash licenses only. For AMC Flash licenses ordered together with the AMC basic unit, the articles **04077615** and following have to be used (please refer to table).

04060253 Kaba exos® AMC Flash 2
154.350 A   ⚠️ **LEGIC**
CompactFlash with firmware license
- Connection of up to 2 devices to BPA/9 Subset
- Supports CardLink™

04060254 Kaba exos® AMC Flash 4
154.351 A   ⚠️ **LEGIC**
CompactFlash with firmware license
- Connection of up to 4 devices to BPA/9 Subset
- Supports CardLink™

04060255 Kaba exos® AMC Flash 8
154.352 A   ⚠️ **LEGIC**
CompactFlash with firmware license
- Connection of up to 8 devices to BPA/9 Subset
- Supports CardLink™

04060256 Kaba exos® AMC Flash 16
154.353 A   ⚠️ **LEGIC**
CompactFlash with firmware license
- Connection of up to 16 devices to BPA/9 Subset
- Supports CardLink™

04060257 Kaba exos® AMC Flash 32
154.354 A   ⚠️ **LEGIC**
CompactFlash with firmware license (only for Kaba exos AMC II)
- Connection of up to 32 devices to BPA/9 Subset
- Supports CardLink™

Kaba exos® AMC Flash for extended functions

- Elevator control
- P.O. box control
- Locker control
- Depot control:
  This function requires the software license 'Depot control' (art. no. **04060324/**120.297)
- Weight-based interlocking door
- Alarm zones:
  This function requires the 'PC104 I/O board' hardware component
  (art. no. **04077628/**162.408)
- Random rejection (control of persons via random spot checks)

⚠️ The following articles are valid for separatley ordered AMC Flash licenses only. For AMC Flash licenses ordered together with the AMC basic unit, the articles **04077620** and following have to be used (please refer to table).

04060261 **Kaba exos® AMC Flash 2E**
154.380 A   ⚠️ **LEGIC**

CompactFlash with firmware license
- Connection of up to 2 devices or depots to BPA/9 Subset
- Configuration of up to 80 access-controlled floors
- Supports CardLink™

04060262 **Kaba exos® AMC Flash 4E**
154.381 A   ⚠️ **LEGIC**

CompactFlash with firmware license
- Connection of up to 4 devices or depots to BPA/9 Subset
- Configuration of up to 80 access-controlled floors
- Supports CardLink™

04060263 **Kaba exos® AMC Flash 8E**
154.382 A   ⚠️ **LEGIC**

CompactFlash with firmware license
- Connection of up to 8 devices or depots to BPA/9 Subset
- Configuration of up to 80 access-controlled floors
- Supports CardLink™

04060264 **Kaba exos® AMC Flash 16E**
154.383 A   ⚠️ **LEGIC**

CompactFlash with firmware license
- Connection of up to 16 devices or depots to BPA/9 Subset
- Configuration of up to 80 access-controlled floors
- Supports CardLink™

04060265 **Kaba exos® AMC Flash 32E**
154.384 A   ⚠️ **LEGIC**

CompactFlash with firmware license (only for Kaba exos AMC II)
- Connection of up to 32 devices or depots to BPA/9 Subset
- Configuration of up to 80 access-controlled floors
- Supports CardLink™

Access hubs

Accessories for access hubs

Cascading unit

04060241 **Cascading unit**
162.040 B

- For 24V and UPS supply
- Basic unit with base board
- Clamps for up to 8 access points and additional cascading units via RS-485 2-wire

Options:
- Power supply 230V/24V 100VA (art. no. **04060240/**162.350)
- Metal cabinet (art. no. **04060239**/162.351)

Options for cascading unit

04060240 **Power supply 230V/24V 100VA**
162.350 B

- Option for Kaba exos AMC II and cascading unit
- For central power supply to a maximum of 10 access points
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

04060239 **Metal cabinet**
162.351 B

- Option for Kaba exos AMC II and cascading unit
- Lockable
- With tamper switch, DIN rail, and strain relief
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

Door and access manager, registration units

Access manager

		183.111 A	A[1]
	Basic unit		
04079200	**AM 001**	X	X
	Trade name		
04077591	**Access manager**	X	X
	Reader		
04077611	**Kaba MIFARE**	X	
04077612	**Kaba LEGIC**		X
	Host interface		
04076801	**Standard on-board Ethernet**	X	X
	Peripherals interface		
04076807	**Standard RS 485**	X	X
	Power supply		
04077541	**10 – 34V DC internal**	X	X
	Device software		
04077537	**Function type Access Manager**	X	X
	Design		
04077533	**DIN rail**	X	X
	Color		
04077507	**Black (RAL 9005)**	X	X

[1] No old article number available

04079200 Access Manager MIFARE
183.111 A

- Supports the Kaba ARIOS security concept
- The access manager can be installed in a tamper-proof location, irrespective of the location of the registration units
- Supports MIFARE Classic and MIFARE DESFire with ISO 14443A
- Integrated MIFARE read/write module for the connection of 2 remote registration units
- For operation of up to 2 independent access points
- CardLink™ (de)validation function
- CardLink™ update function (as update reader, not as part of an access point)
- Up to 50,000 user media; up to 20,000 logbook entries
- Up to 100 time zones; up to 31 exceptional days
- As well as handling door management functions, the unit also makes autonomous access decisions
- Supported door configurations include:
  - Elevator (max. 27 floors)
  - Alarm zones
  - Random rejection
  - Interlocking doors
- For the direct connection of door components
  - 4 line-monitored inputs for the connection of insulated switches
  - 1 line-monitored door manager tamper switch
  - 3 relay outputs max. 34 VDC/60W, max. 27 VAC/60VA
- 1 RS-485 interface for controlling a maximum of 8 additional readers (Compact Reader MIFARE/Remote Reader MIFARE)
- 2 serial RS-232 interfaces for extensions (e.g., wide area access solutions)
- Can be extended by max. 2 x 8 inputs and/or max. 9 x 8 outputs (max. 2 x Kaba IC8 and max. 9 x Kaba OC8)
- Power supply 5VDC for extension modules and RS-232 interface
- Supply: 10 ... 34VDC; power consumption max. 6.5W; without external wiring
- Integrated 10/100 Mbit/s Ethernet TCP/IP interface to the host system; optional encryption with IPsec
- Plug terminals
- Plastic housing for top-hat rail mounting
- Dimensions: 125 x 99 x 45mm (L x W x H)

04079200 Access Manager LEGIC

- The access manager can be installed in a tamper-proof location, irrespective of the location of the registration units
- Supports LEGIC prime and LEGIC advant
- LEGIC RF, ISO 15693 and ISO 14443A
- Integrated LEGIC read/write module for the connection of 2 remote registration units
- For operation of up to 2 independent access points
- CardLink™ (de)validation function
- CardLink™ update function (as update reader, not as part of an access point)
- Up to 50,000 user media; up to 20,000 logbook entries
- Up to 100 time zones; up to 31 exceptional days
- As well as handling door management functions, the unit also makes autonomous access decisions
- Supported door configurations include:
  - Elevator (max. 27 floors)
  - Alarm zones
  - Random rejection
  - Interlocking doors
- For the direct connection of door components
  - 4 line-monitored inputs for the connection of insulated switches
  - 1 line-monitored door manager tamper switch
  - 3 relay outputs max. 34VDC/60W, max. 27VAC/60VA
- 1 RS-485 interface for controlling a maximum of 8 additional readers (Compact Reader LEGIC/Remote Reader LEGIC)
- 2 serial RS-232 interfaces for extensions (e.g., wide area access solutions)

- Can be extended by max. 2 x 8 inputs and/or max. 9 x 8 outputs (max. 2 x Kaba IC8 and max. 9 x Kaba OC8)
- Power supply 5VDC for extension modules and RS-232 interface
- Supply: 10 ... 34VDC; power consumption max. 6.5W; without external wiring
- Integrated 10/100 Mbit/s Ethernet TCP/IP interface to the host system; optional encryption with IPsec
- Plug terminals
- Plastic housing for top-hat rail mounting
- Dimensions: 125 x 99 x 45mm (L x W x H)

The compact readers can be configured around basic unit no. 04079110.

		181.111 A	181.115 A	A[1]	A[1]	161.192 A	161.193 A
	Basic unit						
04079110	**CR 001**	X	X	X	X	X	X
	Trade name						
04077594	**Compact Reader SL**	X	X	X	X	X	X
	Display						
04077389	**Illumination unit**	X	X	X	X	X	X
	Keypad						
04076800	**Without**	X	X	X	X	X	X
	Reader						
04077611	**Kaba MIFARE**	X	X				
04077612	**Kaba LEGIC**			X	X	X	X
	Device software						
04077537	**Function type Access Manager**	X	X	X	X		
04077602	**Function type cDML**					X	X
	Design						
04077534	**Cable feed flush mounted**	X		X		X	
04077535	**Cable feed surface mounted**		X		X		X
	Color						
04077508	**Black/white aluminum (RAL 9005/9006)**	X	X	X	X	X	X

[1] No old article number available

04079110 Compact Reader MIFARE (SL - UP)
181.111 A

- Rear panel (art. no. **04077534**/181.514) for concealed mounting (UP) included in the scope of delivery
- To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately
- Standard SL design
- Supports the ARIOS security concept
- Supports MIFARE Classic and MIFARE DESFire with ISO 14443A
- Integrated MIFARE read/write module
- Integrated MIFARE antenna for 1 inside door
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of site key(s)
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Isolated RS-485 interface for connection to Access Manager MIFARE using screw/plug terminals
- For direct connection of door components
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for mounting on neutral or metal surface
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

04079110 Compact Reader LEGIC (SL - UP)

- Rear panel (art. no. **04077534**/181.514) for concealed mounting (UP) included in the scope of delivery
- To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately
- Standard SL design
- Supports LEGIC prime and LEGIC advant
- LEGIC RF, ISO 15693 and ISO 14443A
- Integrated LEGIC read/write module
- Integrated LEGIC antenna for 1 inside door
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of a LEGIC stamp
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Isolated RS-485 interface for connection to Access Manager LEGIC using screw/plug terminals
- For direct connection of door components
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for mounting on neutral or metal surface
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

04079110 Compact Reader MIFARE (SL - AP)

181.115 A

⚠ Spacer frame (art. no. **04077535**/181.515) for surface mounting (AP) included in the scope of delivery
- Standard SL design
- Supports the ARIOS security concept
- Supports MIFARE Classic and MIFARE DESFire with ISO 14443A
- Integrated MIFARE read/write module
- Integrated MIFARE antenna for 1 inside door
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of site key(s)
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Isolated RS-485 interface for connection to Access Manager MIFARE using screw/plug terminals
- For direct connection of door components
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for mounting on neutral or metal surface
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Dimensions: 88.5 x 88.5 x 26.4mm (L x W x H)

04079110 Compact Reader LEGIC (SL - AP)

⚠ Spacer frame (art. no. **04077535**/181.515) for surface mounting (AP) included in the scope of delivery
- Standard SL design
- Supports LEGIC prime and LEGIC advant
- LEGIC RF, ISO 15693 and ISO 14443A
- Integrated LEGIC read/write module
- Integrated LEGIC antenna for 1 inside door
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of a LEGIC stamp
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Isolated RS-485 interface for connection to Access Manager LEGIC using screw/plug terminals
- For direct connection of door components
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for mounting on neutral or metal surface
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Dimensions: 88.5 x 88.5 x 26.4mm (L x W x H)

04079110 Compact Reader LEGIC (SL - UP, cDML functionality)

161.192 NR ⚠️ **For use in existing AM-L topologies (existing systems)**

⚠️ Rear panel (art. no. **04077534**/181.514) for concealed mounting (UP) included in the scope of delivery

⚠️ To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately

- **Replacement for Kaba exos cDML (without Kaba exos LR-100 compatibility mode)**
- Standard SL design
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)
- Offline-capable reader with integrated LEGIC antenna for 1 inside door (organization)
- CardLink™ validation function
- Up to 32 time zones; up to 31 exceptional days
- Offline capable
  - Up to 10,000 user media; up to 2,000 logbook entries
- Isolated RS-485 interface for connection to access hub using screw/plug terminals
- Up to 16 devices per RS-485 interface
- For direct connection of door components
  - 2 non-monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for concealed cable mounting on neutral or metal surface (adjustable)
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Programming of user media via SAM59 not possible
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

04079110 Compact Reader LEGIC (SL - AP, cDML functionality)

161.193 NR ⚠️ **For use in existing AM-L topologies (existing systems)**

⚠️ Spacer frame (art. no. **04077535**/181.515) for surface mounting (AP) included in the scope of delivery

- **Replacement for Kaba exos cDML (without Kaba exos LR-100 compatibility mode)**
- Standard SL design
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)
- Offline-capable reader with integrated LEGIC antenna for 1 inside door (organization)
- CardLink™ validation function
- Up to 32 time zones; up to 31 exceptional days
- Offline capable
  - Up to 10,000 user media; up to 2,000 logbook entries
- Isolated RS-485 interface for connection to access hub using screw/plug terminals
- Up to 16 devices per RS-485 interface
- For direct connection of door components
  - 2 non-monitored inputs for door opener key/door handle contact and frame contact
  - 1 door opener relay with change-over contact AC/DC 30V 1A
  - 1 bridge contact for external tamper monitoring (optional)
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 2.2W; without external wiring
- Suitable for surface cable mounting on neutral or metal surface (adjustable)
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision

- Programming of user media via SAM59 not possible
- Dimensions: 88.5 x 88.5 x 26.4mm (L x W x H)

The remote readers can be configured around basic unit no. 04079115.

		181.511 A	A[1]
	Basic unit		
04079115	**RR 001**	X	X
	Trade name		
04077596	**Remote Reader**	X	X
	Reader		
04077611	**Kaba MIFARE**	X	
04077612	**Kaba LEGIC**		X
	Device software		
04077537	**Function type Access Manager**	X	X
	Design		
04077533	**DIN rail**	X	X
	Color		
04077507	**Black (RAL 9005)**	X	X

[1] No old article number available

04079115 Remote Reader MIFARE
181.511 A

- Supports the ARIOS security concept
- The remote reader can be installed in a tamper-proof location, irrespective of the location of the registration units
- Supports MIFARE Classic and MIFARE DESFire with ISO 14443A
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of site key(s)
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Door manager with integrated MIFARE read/write module for the connection of 1 remote registration unit
- For direct connection of door components:
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 relay output; max. 34VDC/60W, max. 27VAC/60VA
- Isolated RS-485 interface for connection to Access Manager MIFARE using screw/plug terminals
- Can be extended by 8 inputs and 2 x 8 outputs (max. 1 x Kaba IC8 and 2 x Kaba OC8)[1]
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 4.5W; without external wiring
- Screw terminals; plug-in design
- Plastic housing for top-hat rail mounting
- Dimensions: 70 x 106 x 45mm (L x W x H)

[1] Excludes access point components and alarm zones

04079115 Remote Reader LEGIC

- The remote reader can be installed in a tamper-proof location, irrespective of the location of the registration units
- Supports LEGIC prime and LEGIC advant
- LEGIC RF, ISO 15693 and ISO 14443A
- CardLink™ (de)validation function
- Offline functions:
  - Authorization check on the basis of a LEGIC stamp
  - Door management in accordance with configurations
  - Intermediate storage of 2,000 events
- Door manager with integrated LEGIC read/write module for the connection of 1 remote registration unit
- For direct connection of door components:
  - 2 monitored inputs for door opener key/door handle contact and frame contact
  - 1 relay output; max. 34VDC/60W, max. 27VAC/60VA
- Isolated RS-485 interface for connection to Access Manager LEGIC using screw/plug terminals
- Can be extended by 8 inputs and 2 x 8 outputs (max. 1 x Kaba IC8 and 2 x Kaba OC8)[1]
- Supply: 12 … 27VAC, 50/60Hz; 10 ... 34VDC; power consumption max. 4.5W; without external wiring
- Screw terminals; plug-in design
- Plastic housing for top-hat rail mounting
- Dimensions: 70 x 106 x 45mm (L x W x H)

[1] Excludes access point components and alarm zones

04038203 Kaba exos® iDML2

161.171 B ⚠️ **LEGIC**

- ⚠️ Not for new installations. For new installations we recommend Access Manager LEGIC.
- Access manager function: as well as handling door management functions, the unit also makes autonomous access decisions
- Integrated 10/100 Mbit Ethernet-TCP/IP interface to the host system
- For operation of up to 2 independent access points
- Integrated LEGIC advant read/write module for the connection of 2 remote registration units
- The door manager can be installed in a tamper-proof location, irrespective of the location of the registration units
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)
- Two serial RS-232 interfaces for extensions (e.g., wide area access solutions)
- CardLink™ (de)validation function
- CardLink™ update function (as update reader, not as part of an access point)
- Up to 10,000 user media; up to 10,000 logbook entries
- Up to 100 time zones; up to 31 exceptional days
- For the direct connection of all door components
  - 4 line-monitored inputs for connecting insulated switches
  - 1 line-monitored door manager tamper switch
  - 3 relay outputs 34VDC/27VAC/2A
- Supply: 10 ... 34VDC; power consumption max. 7W; without external wiring
- Power supply 5VDC for extension modules and RS-232 interface
- Plastic housing for top-hat rail mounting
- Screw terminals; plug-in design
- Can be extended by 2 x 8 inputs and 9 x 8 outputs (max. 2 x Kaba IC8 and 9 x Kaba OC8)
- Programming of user media via SAM59 not possible

04060036 Kaba exos® DML2

161.151 A ⚠️ **LEGIC**

- Door manager with integrated LEGIC module for connection of 2 remote registration units (e.g., antenna); mounted on top-hat rail with plastic housing, 125mm
- CardLink™ validation function
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)
- Optimum migration concept:
  - Can be used in earlier Kaba exos releases with LS-110 compatibility mode; function can be set using jumper
  - Programming of user media via SAM59 not possible
  - Both components have the same size
- The door manager can be installed in a tamper-proof location, irrespective of the location of the registration units
- For direct connection of all door components (monitor locks and door contacts)
- 4 inputs, internally supplied, for the connection of insulated switches; line-monitoring can be enabled or disabled via DIP switch
- 1 tamper switch for door manager
- 3 relay outputs, 34VDC/27VAC/2A
- Supply: 10 ... 34VDC; power consumption max. 3.5W; without external wiring
- Power supply 5VDC for extension modules and RS-232 interfaces
- RS-485 interface (2-wire), for connecting a BPA/9 Subset to an access hub, etc.
- Two serial RS-232 interfaces for extensions (e.g., wide area access solutions)

- Extended offline capability:
  - Access decision based on company codes/user media and time-related authorization, including verification; this means:
    - Up to 10,000 user media can be saved; self-learning
    - Up to 32 time profiles can be saved
    - Logbook up to 2,000 entries
- Screw terminals; plug-in design
- Can be extended by 2 x 8 inputs and 9 x 8 outputs (max. 2 x Kaba IC8 and 9 x Kaba OC8)

04060035 Kaba exos® DMU2
161.141 B

- Door manager for connection of 2 remote readers with Wiegand or Clock/Data interface; in plastic housing for mounting on a top-hat rail, 125mm
- The door manager can be installed in a tamper-proof location, irrespective of the location of the readers
- For direct connection of all door components (monitor locks and door contacts)
- 4 inputs, internally supplied, for the connection of insulated switches; line-monitoring can be enabled or disabled via DIP switch
- 1 tamper switch for door manager
- 2 tamper switches for readers
- 3 relay outputs, 34VDC/27VAC/2A
- Supply: 10 ... 34VDC
- Power consumption max. 3.5W; without external wiring
- Power supply of readers can be adjusted with jumpers (5VDC or 10 ... 34VDC)
- RS-485 interface (2-wire), for connecting a BPA/9 Subset to an access hub, etc.
- Two serial RS-232 interfaces for extensions (e.g., wide area access solutions)
- Extended offline capability:
  - Access decision based on company codes/user media and time-related authorization, including verification; this means:
    - Up to 10,000 user media can be saved; self-learning
    - Up to 32 time profiles can be saved
    - Logbook up to 2,000 entries
- Screw terminals; plug-in design
- Can be extended by 2 x 8 inputs and 9 x 8 outputs (max. 2 x Kaba IC8 and 9 x Kaba OC8)
- For connectible readers, please refer to the Technical Documentation 'Readers with Wiegand and Clock/Data interface'

04060051 Programming cable for Kaba exos® DML2/DMU2
161.257 C   ⚠ LEGIC

- Cable for firmware update of door manager Kaba exos DML2/DMU2

04060461 Reprogramming of Kaba exos® DML2/DMU2 modules
910.161 B   ⚠ LEGIC

- Custom firmware for Kaba exos DML2/DMU2 is loaded according to customer specifications
- **Attention!** Repaired modules will always be delivered with the latest standard firmware

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04060197 Kaba exos® cDML with Rear panel
161.181 C   ⚠ **For use in existing AM-L topologies (existing systems)**

- Offline-capable door manager with integrated LEGIC antenna for 1 inside door (organization)
- Antenna suitable for concealed cable mounting on neutral or metal surface (adjustable)
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Isolated RS-485 interface for connection to access hub using screw/plug terminals
- Up to 16 devices per RS-485 interface
- Integrated LEGIC advant read/write module
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)

- CardLink™ validation function
- Kaba exos LR-100 compatibility mode for system extensions or replacement
- Up to 32 time zones; up to 31 exceptional days
- Offline capable
  - Up to 10,000 user media; up to 2,000 logbook entries

- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- 2 non-monitored inputs for door opener key/door handle contact and frame contact
- 1 door opener relay with change-over contact, AC/DC 30V 1A
- 1 bridge contact for external tamper monitoring (optional)
- Supply: 10... 34 VDC, 12... 27 VAC
- Light gray, two-part surface mount cover (87.5 x 87.5 x 18.0mm) for outdoor applications; rated IP54 (when seal present); with Kaba logo
- Options:
  - Replacement rear panel for concealed cable mounting (rear panel can be ordered separately; art. no. **04060200**/161.183; cover dimensions: 87.5 x 87.5 x 18.0mm)
  - Spacer frame for surface cable mounting (rear panel can be ordered separately; art. no. **04060199**/161.182; cover dimensions: 87.5 x 87.5 x 25.0mm)
- Programming of user media via SAM59 not possible

Product discontinued as of July 1, 2012.

The product will be phased out over 3 years. For larger quantities or long-term delivery commitments, please contact us. Successor product: see CR001

04060198 Kaba exos® cDML with Spacer frame

161.184 C ⚠ **For use in existing AM-L topologies (existing systems)**

- Offline-capable door manager with integrated LEGIC antenna for 1 inside door (organization)
- Antenna suitable for surface cable mounting on neutral or metal surface (adjustable)
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Isolated RS-485 interface for connection to access hub using screw/plug terminals
- Up to 16 devices per RS-485 interface
- Integrated LEGIC advant read/write module
- Supports LEGIC prime with LEGIC RF and LEGIC advant with ISO 15693 or ISO 14443A
- Supports reading of the unique number from non-LEGIC media with ISO 14443A (e.g., MIFARE) and ISO 15693 (e.g., HID iCLASS)
- CardLink™ validation function
- Kaba exos LR-100 compatibility mode for system extensions or replacement
- Up to 32 time zones; up to 31 exceptional days
- Offline capable
  - Up to 10,000 user media; up to 2,000 logbook entries
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- 2 non-monitored inputs for door opener key/door handle contact and frame contact
- 1 door opener relay with change-over contact, AC/DC 30V 1A
- 1 bridge contact for external tamper monitoring (optional)
- Supply: 10... 34 VDC, 12... 27 VAC
- Light gray, two-part surface mount cover (87.5 x 87.5 x 25.0mm) for outdoor applications; rated IP54 (when seal present); with Kaba logo
- Options:
  - Replacement rear panel for concealed cable mounting (rear panel can be ordered separately; art. no. **04060200**/161.183; cover dimensions: 87.5 x 87.5 x 18.0mm)
  - Spacer frame for surface cable mounting (rear panel can be ordered separately; art. no. **04060199**/161.182; cover dimensions: 87.5 x 87.5 x 25.0mm)
- Programming of user media via SAM59 not possible

Product discontinued as of July 1, 2012.

The product will be phased out over 3 years. For larger quantities or long-term delivery commitments, please contact us. Successor product: see CR 001

The registration units can be configured around basic unit no. 04079001.

		180.111 A	A[1]	180.112 A	A[1]	180.050 A	A[1]
	Basic unit						
04079001	**RU 001**	X	X	X	X	X	X
	Trade name						
04077609	**Registration Unit SL**	X	X	X	X	X	X
	Display						
04077389	**Illumination unit**	X	X	X	X	X	X
	Keypad						
04076800	**Without**	X	X				
04076676	**Illuminated PIN keypad**			X	X	X	X
	Reader						
04077607	**RFID antenna**	X	X	X	X	X	X
	Design						
04077534	**Cable feed flush mounted**	X		X		X	
04077535	**Cable feed surface mounted**		X		X		X
	Color						
04077508	**Black/white aluminum (RAL 9005/9006)**	X	X	X	X	X	X
	Accessories						
04077613	**Communication Adapter PIN**					X	X

[1] No old article number available

04079001 Registration Unit RFID (SL - UP)
180.111 A

⚠ Rear panel (art. no. **04077534**/180.114) for concealed mounting (UP) included in the scope of delivery

⚠ To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately

- Standard SL design
- Registration unit with integrated RFID antenna; designed for mounting either under neutral conditions or in a metallic environment
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; all wires run on the rear panel, separate from the electronics
- Installation using 50Ω coaxial cable (recommended: RG 174/U, incl. LED and buzzer control) and screw terminals
- Can be used for:
  - Access Manager MIFARE
  - Access Manager LEGIC
  - Remote Reader MIFARE
  - Remote Reader LEGIC
  - Kaba exos iDML2
  - Kaba exos DML2
  - Kaba exos LS-110
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

04079001 Registration Unit RFID PIN (SL - UP)
180.112 A

⚠ Rear panel (art. no. **04077534/**180.114) for concealed mounting (UP) included in the scope of delivery

⚠ To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately

- Standard SL design
- Registration unit with integrated RFID antenna and PIN keypad; designed for mounting under neutral conditions or in a metallic environment
- Supports the same LEGIC media as Kaba exos LT-PN. Exception: Use of the Kaba elolegic smart key is subject to certain restrictions.
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision; brightly illuminated keypad for PIN code prompt
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; all wires run on the rear panel, separate from the electronics
- Installation using 50Ω coaxial cable (recommended: RG 174/U, incl. LED and buzzer control) and screw terminals
- Can be used for:
  - Access Manager MIFARE
  - Access Manager LEGIC
  - Remote Reader MIFARE
  - Remote Reader LEGIC
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

04079001 **Bundle: Registration Unit RFID PIN (SL - UP) incl. Communication Adapter PIN**
180.050 A

Registration Unit RFID PIN (SL - UP)

⚠ Rear panel (art. no. **04077534/**180.114) for concealed mounting (UP) included in the scope of delivery

⚠ To comply with IP54, the sealing pad (art. no. **04060074**/180.116) must be ordered separately

- Standard SL design
- Registration unit with integrated RFID antenna and PIN keypad; designed for mounting under neutral conditions or in a metallic environment
- Supports the same LEGIC media as Kaba exos LT-PN.
  Exception: Use of the Kaba elolegic smart key is subject to certain restrictions.
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision; brightly illuminated keypad for PIN code prompt
- Innovative *quickwire*™ technology allows the product to be wired and put into operation in an efficient manner; all wires run on the rear panel, separate from the electronics
- Installation using 50Ω coaxial cable (recommended: RG 174/U, incl. LED and buzzer control) and screw terminals
- Dimensions: 88.5 x 88.5 x 19.4mm (L x W x H)

Communication Adapter PIN (04077613)
- Integrates the Registration Unit RFID PIN into new and existing LEGIC customer systems
- Allows Registration Unit RFID PIN to be connected to Access Manager Kaba exos iDML2, Door manager Kaba exos DML2, and Kaba exos LS-110
- Rail mounting

04060075 **Registration Unit PCB RFID**
180.211 A

⚠ Covers must be ordered separately (e.g., Feller, art. no. **04060213**/180.231 or **04060214**/180.232)

- PCB antenna 70 x 70mm (L x W)
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Specifically designed for installation in housing ranges provided by the customer (manufacturers such as Feller, Jung, Merten, and Gira) in a metallic environment (functionality must be checked directly at the installation site, depending on MIFARE media)
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Installation using 50Ω coaxial cable (recommended: RG 174/U, incl. LED and buzzer control) and screw terminals
- Can be used for:
  - Access Manager MIFARE
  - Access Manager LEGIC
  - Remote Reader MIFARE
  - Remote Reader LEGIC
  - Kaba exos iDML2
  - Kaba exos DML2
  - Kaba exos LS-110

04060453 **Registration unit Kaba exos® LT-PN**
161.210 B

- Registration unit with integrated LEGIC antenna and keypad; designed for mounting under normal conditions or in a metallic environment
- Supports CardLink™
- Two-color LED (red/green) for displaying operating status and access decision; LED (yellow) for PIN code prompt; two-color LED (red/yellow) for special function; buzzer for acoustic signaling of access decision
- Installation using serial interface RS-232 and 50Ω coaxial cable (recommended: RG 178) with screw terminals
- Light gray, two-part surface mount cover (87.5 x 87.5 x 18.0mm) for outdoor applications; rated IP54 (when seal present); with Kaba logo
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2

Product discontinued as of July 1, 2012.
The product will be phased out over 3 years. For larger quantities or long-term delivery commitments, please contact us. Successor product: see RU 001

04060220 **Registration unit Kaba exos® Biover II**
161.212 C

- Fingerprint reader with integrated LEGIC antenna; designed for mounting under normal conditions or in a metallic environment
- Supports CardLink™
- Three-color LED (green/orange/red) for displaying operating status and access decision; two-color LED (orange/red) for biometric request; buzzer for acoustic signaling
- Installation using serial interface RS-232 and 50Ω coaxial cable (recommended: RG 178) with screw/plug terminals
- Light gray, two-part surface mount cover (88.5 x 88.5 x 35.2mm) for outdoor applications (IP54); with Kaba logo
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2

Product discontinued as of April 1, 2009.
This product will remain on sale until a successor product is made available. For larger quantities or long-term delivery commitments, please contact us.

⚠️ The following components are required in order to register biometric data:
   - Desktop reader B-Net 91 07
   - USB Fingerprint scanner, including enrollment software (art. no. **04060221**/161.605)
   - LEGIC launch medium SAM 63 for the biometry segment
     (not distributed by Kaba GmbH, Access & Workforce Management)
   - In order for the biometry segment to be compliant with the LEGIC biometric™ standard, a
     LEGIC medium with 1024 byte LEGIC chip (IM-S 1024) is required

For detailed information on the individual components, refer to chapter Verschiedenes.

**04060218** Registration unit Kaba exos® LA-PG

161.211 B

- Registration unit with integrated LEGIC antenna; designed for use either under normal conditions or in a metallic environment
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Installation using 50Ω coaxial cable (recommended: RG 178, incl. LED and buzzer control) and screw terminals
- Light gray, two-part surface mount cover (87.5 x 87.5 x 18.0mm) for outdoor applications (IP54); with Kaba logo
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2

Product discontinued as of July 1, 2012.
The product will be phased out over 3 years. For larger quantities or long-term delivery commitments, please contact us. Successor product: see RU 001

04060040 Registration unit Kaba exos® LA-PP

161.206 C
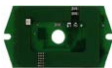
- LEGIC PCB antenna 36 x 66mm; specifically designed for installation in a metallic environment (functionality must be checked directly at installation site, depending on the MIFARE/LEGIC media)
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision.
- Easy installation by means of connection to door manager via 50Ω coaxial cable (recommended: RG 178, incl. LED and buzzer control) and screw terminals
- Can be used for:
  - Access Manager MIFARE
  - Remote Reader MIFARE
  - Kaba exos iDML2
  - Kaba exos DML2
  - Kaba exos LS-110

Option:
- Screw plug-in (art. no. **04060050**/161.255) for reduction of central thread from M9 to M3

04060039 Registration unit Kaba exos® LA-KT

161.205 C

- LEGIC PCB antenna 120 x 180mm for visible mounting on glass or fitting inside the door leaf
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Easy installation by means of connection to door manager via 50Ω coaxial cable (recommended: RG 178, incl. LED and buzzer control)
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2
- Includes pre-formed 5m coaxial cable (50Ω)

04060038 Registration unit Kaba exos® LA-PV

161.203 C
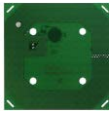
- LEGIC PCB antenna 130 x 130mm for concealed box mounting (UP type IIxII, Switzerland: Feller, EDIZIOdue) or mounting behind facade
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Easy installation by means of connection to door manager via 50Ω coaxial cable (recommended: RG 178, incl. LED and buzzer control) and screw terminals
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2

04060219 Registration unit Kaba exos® LA-SK

161.207 C

- Adjustable complete antenna (W: 200mm, L: 450mm, H: ≈22mm) for column or wall mounting
- Supports CardLink™
- Two-color LED (red/green) for displaying operating state and access decision; buzzer for acoustic signaling of access decision
- Easy installation by means of connection to door manager via 50Ω coaxial cable (recommended: RG 178, incl. LED and buzzer control) and screw terminals
- Antenna in 2 halves with pre-installed and adjusted fittings and antenna base
- Can be used for:
  - Kaba exos DML2
  - Kaba exos iDML2

04060042 Registration unit Kaba exos® LA-PC

161.208 A

- Registration unit with integrated antenna; for installation either under normal conditions or in a metallic environment
- Supported RFID standards: ISO 14443A (MIFARE/LEGIC), ISO 15693, LEGIC RF
- Ultra-compact design; suitable for mounting on door frames or (third-party) door fittings
- Supports CardLink™
- Two-color LED (red/green) for displaying operating status and access decision; buzzer for acoustic signaling of access decision
- Installation by means of connection to door manager via coaxial cable (incl. LED and buzzer control) and screw terminals
- Black surface mount cover (48.5 x 32.5 x 18.5mm, similar to the Kaba elolegic c-lever); suitable for exterior applications (rated IP55 when seal is fitted by customer, e.g., silicone joint); with Kaba logo
- Used for:
  - Access Manager MIFARE (with 50Ω coaxial cable, recommended: RG 174/U)
  - Access Manager LEGIC (with 50Ω coaxial cable, RG 178)
  - Remote Reader MIFARE (with 50Ω coaxial cable, recommended: RG 174/U)
  - Remote Reader LEGIC (with 50Ω coaxial cable, RG 178)
  - Kaba exos iDML2 (with 50Ω coaxial cable, recommended: RG 178)
  - Kaba exos DML2 (with 50Ω coaxial cable, recommended: RG 178)
  - Kaba elolegic Remote Reader (with 50Ω coaxial cable, recommended: RG 174/U)

04060217 Cylinder interface Kaba exos® LI-EL

161.303 C

- Online interface for Kaba elolegic cylinder as registration unit to the Kaba exos DML2/iDML2 door manager
- Interface PCB in plastic housing for mounting on fittings; for connection of the mechatronic Kaba elolegic cylinder to a door manager
- Buzzer for acoustic signaling of access decision
- Jumper to set reaction to power failure (cylinder released or locked)
- Pre-formed 5m coaxial cable (RG 178) with connector and pins
- Kaba elolegic cylinder is not included in the scope of delivery

Accessories for door and access manager, registration units

04060037 **Extension module Kaba IC8**
161.161 A

- Extension module with 8 line-monitored inputs
- Fast installation due to simple plug connection
- Line-monitored; can be deactivated separately; with LED status display
- With internal power supply and common ground; for connection of insulated switches
- Power supply
- Power consumption 1.5W max.
- Up to 2 extension module per option
- Can be used for:
  - Kaba exos DMU2
  - Kaba exos DML2
  - Kaba exos iDML2
  - Access Manager MIFARE/LEGIC
  - Remote Reader MIFARE/LEGIC (max. only 1 extension module)

04038760 **Extension module Kaba OC8**
161.160 B

- Extension module with 8 relay outputs
- Fast installation due to simple plug connection
- Change-over contact 34VDC/27VAC/2A
- LED status display
- Power supply from door manager
- Power consumption 3.5W max.
- Up to 9 extension modules per option
- Can be used for:
  - Kaba exos DMU2
  - Kaba exos DML2
  - Kaba exos iDML2
  - Access Manager MIFARE/LEGIC
  - Remote Reader MIFARE/LEGIC (max. only 2 extension modules)

04060237 **Rear Panel black - 12p**
181.514 A

- **Packing unit: 5 pieces**
- For concealed cable mounting
- Housing dimensions: 88.5 x 88.5mm (L x W)
- With connection terminal block (12 pins in place)
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- Can be used for:
  - Compact Reader MIFARE
  - Compact Reader LEGIC
- Optional: Sealing Pad, required for IP54 rating (art. no. **04060074/**180.116)

04060210 **Rear Panel black - 2p**
180.114 A

- **Packing unit: 5 pieces**
- For concealed cable mounting
- Housing dimensions: 88.5 x 88.5mm (L x W)
- With connection terminal block (2 pins in place)
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- Can be used for:
  - Registration Unit RFID
  - Registration Unit RFID PIN
- Optional: Sealing Pad, required for IP54 rating (art. no. **04060074/**180.116)

04060238 Spacer Frame black - 12p
181.515 A

- **Packing unit: 5 pieces**
- For surface cable mounting
- Housing dimensions: 88.5 x 88.5mm (L x W)
- With connection terminal block (12 pins in place)
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on spacer frame
- Can be used for:
  - Compact Reader MIFARE
  - Compact Reader LEGIC

04060250 Spacer Frame black - 2p
180.115 A

- **Packing unit: 5 pieces**
- For surface cable mounting
- Housing dimensions: 88.5 x 88.5mm (L x W)
- With connection terminal block (2 pins in place)
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on spacer frame
- Can be used for:
  - Registration Unit RFID
  - Registration Unit RFID PIN

04060074 Sealing Pad
180.116 A

- **Packing unit: 10 pieces**
- Closed-cell EPDM foam rubber, black (82 x 82 x 3mm)
- Used for IP54 compliance in conjunction with a rear panel (art. nos. **04060237/**181.514 or **04060210/**180.114) for:
  - Compact Reader MIFARE
  - Compact Reader LEGIC
  - Registration Unit RFID
  - Registration Unit RFID PIN

04060200 Rear panel for Kaba exos® cDML
161.183 C

- **Packing unit: 5 pieces**
- Replacement rear panel for concealed cable mounting
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- With connection terminal block

Product discontinued as of July 1, 2012.
The product will be phased out over 3 years. The successor product is 'Rear Panel black – 12p' (art. no. **04060250/**181.514); compatible with Compact Reader LEGIC.

04060199 Spacer frame for Kaba exos® cDML
161.182 C

- **Packing unit: 5 pieces**
- Replacement rear panel for surface cable mounting
- Innovative *quickwire™* technology allows the product to be wired and put into operation in an efficient manner; cable connection on the rear panel
- With connection terminal block

Product discontinued as of July 1, 2012.
The product will be phased out over 3 years. The successor product is 'Spacer Frame black – 12p' (art. no. **04060238/**181.515); compatible with Compact Reader LEGIC.

Miscellaneous

04060221 USB Fingerprint scanner
161.605 C

- Device for registering biometric data in accordance with LEGIC Biometric™
- Thermal line sensor
- USB interface
- Includes enrollment software
- Desktop reader B-Net 91 07 is required for registering templates
  (order direct from KBS)

Product discontinued as of April 1, 2009.
This product will remain on sale until a successor product is made available. For larger quantities or long-term delivery commitments, please contact us.

04060231 Coaxial cable RG 178
161.250 C

- **Packing unit: 1 roll; length 50 meters**
- Coaxial cable 50Ω
- Not pre-formed
- For corresponding registration units (see product factsheets) and Kaba elolegic cylinders

04060456 Pre-formed coaxial cable RG 178
161.254 C

- Coaxial cable 50Ω
- 5m; pre-formed
- For Kaba exos LI-EL or Kaba exos lock

04060151 Pre-formed coaxial cable RG 178
161.256 C

- Coaxial cable 50Ω
- 10m; pre-formed
- For Kaba exos LI-EL or Kaba exos lock

04060050 Screw plug-in for Kaba exos® LA-PB/LA-PP
161.255 C

- Thread M9 and drilled hole⌀ 2.4mm (M3)
- Suitable for mounting various European covers with a central screw

04060213 Cover Set FE - white - IP40 for Registration Unit PCB RFID
180.231 B

- Cover (88 x 88mm) for concealed cable mounting
- Incl. installation parts for plug-in fastening
- Type: Feller EDIZIOdue, Switzerland

04060214 Cover Set FE - white – IP55 for Registration Unit PCB RFID
180.232 B

- Cover (87 x 87mm) for concealed cable mounting
- Incl. installation parts
- Suitable for outdoor use (protection type IP55)
- Type: Feller NUP, Switzerland

04060043 **Card holder**
161.209 B

❌ Not to be used in conjunction with a spacer frame when carrying out installation

- For inserting the badge or key, respectively (e.g. during the CardLink™ update, e.g. for hold-open mode)
- Can be used for:
  - Compact Reader MIFARE
  - Compact Reader LEGIC
  - Kaba exos cDML
  - Registration Unit RFID
  - Kaba exos LA-PG

Door and access manager, registration units

Demo material

| 04043959 | Demo panel Kaba exos, LEGIC advant |

The demo panel (as shown in the picture) is intended to demonstrate an access control system's basic functions, which include:
- Online access check with and without PIN code
- Simulation of intruder alarm door
- CardLink with update, validation and invalidation
- Access check of a standalone component (optional)

The demo panel contains two registration units for the simulation of in- / out readers of a passageway. The periphery in the demo panel is wired and pre-configured.

Kaba exos is not essential to start a demonstration, however, for certain functions (graphic, alarm list, change of configuration) Kaba exos is required. For this case, a Kaba exos configuration is available on VM-Ware.

Demo panels are assembled upon orders placed. Please enquire for delivery time or check date indicated on the order confirmation.

The demo panel contains the following equipment:
- Access Manager LEGIC
- Compact Reader LEGIC
- Registration Unit RFID
- Registration Unit RFID PIN
- Desktop reader B-web 91 08 (Option Kaba LEGIC)
- Door model
- 2 switches ON/OFF for Access Manager/Compact Reader
- Wooden base
- Power cable Germany

The following items have to be purchased separately:
- Country-specific power cable or adapter

| **04043960** | **Demo case Kaba exos, LEGIC advant** |

The demo case (as shown in the picture) is intended to demonstrate an access control system's basic functions, which include:
- Online access check with and without PIN code
- Simulation of intruder alarm door
- CardLink with update, validation and invalidation
- Access check of a standalone component (optional)

The demo case contains two registration units for the simulation of in- / out readers of a passageway. The periphery in the demo case is wired and pre-configured.

Kaba exos is not essential to start a demonstration, however, for certain functions (graphic, alarm list, change of configuration) Kaba exos is required. For this case, a Kaba exos configuration is available on VM-Ware.

Demo cases are assembled upon orders placed. Please enquire for delivery time or check date indicated on the order confirmation.

The demo case contains the following equipment:
- Access Manager LEGIC
- Compact Reader LEGIC
- Registration Unit RFID
- Registration Unit RFID PIN
- Desktop reader B-web 91 08 (Option Kaba LEGIC)
- Door model
- 1 security card C2 (SAM), 4 LEGIC advant user media (media definition: Kaba Standard Application Definitions LEGIC advant (KSAD))
- 8 Port PoE Switch
- Ethernet cable RJ45
- 2 switches ON/OFF for Access Manager/Compact Reader
- Rubber foam with cut-outs for two optional digital cylinders
- Power cable Germany

The following items have to be purchased separately:
- Kaba evolo digital cylinder with Kaba programming master A, LEGIC or Kaba programming master B, LEGIC (can be ordered at Kaba AG, Access & Workforce Management, Wetzikon)
- Country-specific power cable or adapter

04044076	Demo panel Kaba exos, MIFARE

The demo panel (as shown in the picture) is intended to demonstrate an access control system's basic functions, which include:
- Online access check with and without PIN code
- Simulation of intruder alarm door
- CardLink with update, validation and invalidation
- Access check of a standalone component (optional)

The demo panel contains two registration units for the simulation of in- / out readers of a passageway. The periphery in the demo panel is wired and pre-configured.

Kaba exos is not essential to start a demonstration, however, for certain functions (graphic, alarm list, change of configuration) Kaba exos is required. For this case, a Kaba exos configuration is available on VM-Ware.

Demo panels are assembled upon orders placed. Please enquire for delivery time or check date indicated on the order confirmation.

The demo panel contains the following equipment:
- Access Manager MIFARE
- Compact Reader MIFARE
- Registration Unit RFID
- Registration Unit RFID PIN
- Desktop reader B-web 91 08 (Option Kaba MIFARE)
- Door model
- 2 switches ON/OFF for Access Manager/Compact Reader
- Wooden base
- Power cable Germany

The following items have to be purchased separately:
- Country-specific power cable or adapter

04044077	Demo case Kaba exos, MIFARE

The demo case (as shown in the picture) is intended to demonstrate an access control system's basic functions, which include:
- Online access check with and without PIN code
- Simulation of intruder alarm door
- CardLink with update, validation and invalidation
- Access check of a standalone component (optional)

The demo case contains two registration units for the simulation of in- / out readers of a passageway. The periphery in the demo case is wired and pre-configured.

Kaba exos is not essential to start a demonstration, however, for certain functions (graphic, alarm list, change of configuration) Kaba exos is required. For this case, a Kaba exos configuration is available on VM-Ware.

Demo cases are assembled upon orders placed. Please enquire for delivery time or check date indicated on the order confirmation.

The demo case contains the following equipment:
- Access Manager MIFARE
- Compact Reader MIFARE
- Registration Unit RFID
- Registration Unit RFID PIN
- Desktop reader B-web 91 08 (Option Kaba MIFARE)
- Door model
- 1 security card B, 1 security card C, programming master A, programming master B, programming master T, 4 MIFARE DESFire user media (media definition: according to the ARIOS security concept)
- 8 Port PoE Switch
- Ethernet cable RJ45
- 2 switches ON/OFF for Access Manager/Compact Reader
- Rubber foam with cut-outs for two optional digital cylinders
- Power cable Germany

The following items have to be purchased separately:
- Kaba evolo digital cylinder (can be ordered at Kaba AG, Access & Workforce Management, Wetzikon)
- Country-specific power cable or adapter

Repair

Repairs are handled in accordance with the principle that defective parts will be replaced. Fixed exchange prices will be charged accordingly for the individual components.

The advantage is that faulty assemblies are exchanged immediately and customers receive fast replacement.

⚠️ No devices or assemblies will be repaired outside of the guarantee period. Defective devices can be disposed of locally in accordance with statutory regulations and new devices ordered as replacements.

Spare parts

Kaba exos® AMC/-II

04060266 **RS-485 cable set**
154.151 A ⚠️ **LEGIC**
- Option for Kaba exos AMC (cannot be used for Kaba exos AMC II)
- For serial connection of Kaba exos AMC to the communication hub

04060242 **PC104 I/O board**
162.408 A ⚠️ **LEGIC**
- Expansion board for access hub Kaba exos AMC/-II with 8 monitored inputs and 8 relay outputs 30V/2A
- Required for monitoring and control of alarm zones by a Kaba exos AMC/-II

04060240 **Power supply 230V/24V 100VA**
162.350 A ⚠️ **LEGIC**
- Option for Kaba exos AMC II and cascading unit
- For central power supply to a maximum of 10 access points
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

04060239 **Metal cabinet**
162.351 A ⚠️ **LEGIC**
- Option for Kaba exos AMC II and cascading unit
- Lockable
- With tamper switch, DIN rail, and strain relief
- If the basic unit, metal cabinet, and power supply unit are ordered together, the components are delivered pre-assembled

04060149 **Serial cable RS-232**
162.410 A ⚠️ **LEGIC**
- Option for Kaba exos AMC/-II
- For connection of serial devices for special functions

04060025 **Base board for Kaba exos® AMC**
154.100 A
- Base board with 10 inputs (2 of these are line-monitored), 6 outputs, and 1 RS-485 interface for connection of the BPA/9 Subset devices (2-wire party line)
- Supplied without installation material and screw/plug terminals

04060248 **CPU for Kaba exos® AMC/-II**

154.150 A

- PC104 Controller (CPU) with integrated Ethernet connection; without CompactFlash
- Supplied without installation material

04060249 **Transformer for Kaba exos® AMC**

154.160 A

- Power transformer (230V, 1.5A) with power switch, connection cable, and pre-assembled connectors for connection to the base board (Kaba exos AMC)
- Supplied without installation material

04060232 **Base board for Kaba exos® AMC II**

162.401 A

- Base board with 4 inputs, 3 outputs, and 2 RS-485 interfaces for connection of BPA/9 Subset devices (2-wire party line)
- Supplied without installation material

Door / access manager

Screw terminal RIACON type 169 (311691)
- Can be used for
  - Kaba exos DML2
  - Kaba exos DMU2
  - Kaba exos iDML2
  - Kaba IC8
  - Kaba OC8
- Ordered directly from manufacturer -> www.ria-connect.com

Screw terminal RIACON for Remote Reader MIFARE
- The following are used:
  - RIA339-4: input (4-pin)
  - RIA339-3: output (3-pin)
  - RIA339-2: antenna (2-pin)
  - RIA339-3: RS-485 (3-pin)
  - RIA249-2: supply (2-pin)
- Ordered directly from manufacturer -> www.ria-connect.com

Registration Unit RFID PIN

04060060 **Communication Adapter PIN**

180.052 A

- Integrates the Registration Unit RFID PIN into new and existing LEGIC customer systems
- Allows Registration Unit RFID PIN to be connected to Access Manager Kaba exos iDML2, Door manager Kaba exos DML2, and Kaba exos LS-110
- Rail mounting

Repair

Repair / exchange parts

Exchange parts shall be invoiced at net price. Prices shall only apply if the defective part is delivered in advance along with a completed repair label. A separate repair label must be filled out for each defective part (repair part). Listing several repair parts on one label is not permitted. Repair labels can be obtained at no extra charge from Kaba GmbH, Access & Workforce Management.

Repair labels which are incomplete (*mandatory fields) or not filled out generate extra work, which will be charged to the party responsible for the error as a processing fee (art. no. 120.310 in price list).

Any additional costs incurred as a result of incorrectly completed customs documents shall be charged to the party responsible for the error.

Kaba exos® AMC/-II

04060025 Base board for Kaba exos® AMC
940.010 B
- Base board with 10 inputs (2 of these are line-monitored), 6 outputs, and 1 RS-485 interface for connection of the BPA/9 Subset devices (2-wire party line)
- Supplied without screw/plug terminals

04060236 CPU for Kaba exos® AMC/-II
940.015 B
- PC104 Controller (CPU) with integrated Ethernet connection; without CompactFlash
- Supplied without installation material

04060465 Kaba exos® AMC Flash
940.012 B
- CompactFlash with licensing replaced as per label
- Replacement only possible when the label on the returned CompactFlash card is intact and legible
- Supplied without installation material

04060466 Kaba exos® AMC Flash upgrade 8MB -> 256MB
940.014 B
- CompactFlash with licensing replaced as per label
- When ordering, always state the order number of the old CompactFlash card (AUxxxxxx)
- After delivery of the new CompactFlash card, the old CompactFlash card must be returned in its original condition within 2 months (with undamaged and legible label; without formatting), otherwise the cost of the new CompactFlash card will be charged.
- Supplied without installation material

Support – Engineering Service

We have set up an Engineering Service to ensure optimum processing of Kaba exos 9300 projects. This allows our partners to access solid expertise in the following areas:

Technical support for customer-specific requirements

- Exchange of information with customers to create a well-founded specification
- Development of customer-specific solutions

Extended project-specific support for Oracle® and MS SQL

- Development of concepts
- Support for project realization
- Testing

Customer-specific evaluation

- Compilation of specific reports with CrystalReport
  (see art. no. **04060462**/920.910 in the price list)
- Support for custom media structures
- Definition of new media structures

Quotation in response to customer inquiries

- Free quotations subject to groundwork by the partner:
  Before passing on customer documentation to Kaba GmbH, Access & Workforce Management, Business Services, the partner must first have clarified all necessary points with the customer and analyzed their requirements
- Quotation without groundwork by the partner:
  If the partner passes on the customer documentation without having done the appropriate groundwork, the clarification and analysis must be carried out by Kaba GmbH, Access & Workforce Management, Business Services itself. This results in extra work during the quotation process, which will be charged at a fixed price of 2 hours

These services are invoiced on a time and materials basis. This is calculated on the basis of the service rates for standard support services (see art. no. **04104142**/830.830 in the price list). Please submit any inquiries to: awm.sales@kaba.com

Checklist for readers with Wiegand / Clock/Data interface

The chargeable service 'Implementation reader with Wiegand / Clock/Data interface' (see art. no. **04060459/**920.905 in the price list) must be accompanied by a fully completed checklist for each reader and/or user medium. The checklist contains details about the reader/reading head and user medium. The checklist is located in the PM database.