

BKT ACS

Access Control System for IT cabinets

BKT ACS is an access control system dedicated to ICT cabinets equipped with a 19" frame. It is a scalable system that supports an unlimited number of cabinets and an unlimited number of users. It is available in two variants: with RS485 interface supporting Unique 125kHz and Mifare 13.56MHz readers or with Wiegand interface, where any third-party readers that support the required card standard or biometric readers can be used.



Security



Scalability

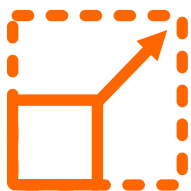


Easy installation



Find more at
www.bkte.pl
website

Made in Poland



Scalability



Unlimited number of users.



Unlimited number of cabinets.



Security



Easy installation



Devices prepared for mounting in a 19" frame.

Quick connecting thanks to RJ45 connectors.



BKT cabinets available in variant with cable routes for access control.



Versatility



Door and handle states are monitored.



Various card standards supported depending on the readers used.

Two way power supply.



Configurable various granting access modes:
card, pin, card + pin, card + card.



Depending on the system, the readers may have an integrated keypad or may be integrated in the cabinet handle. It is also possible to use any reader with a Wiegand interface.



Email notifications of any defined event.



The system can be used for a single cabinet or the entire cold/hot containment, including its sliding doors.



Devices meet requirements of security Grade 2 according to EN 60839-11-1:2013.



Monitoring, management and configuration of the system through the free VISO ST application.



Archiving of events in the MS SQL Server database.



Encrypted communication on the Ethernet and on the RS485 bus.

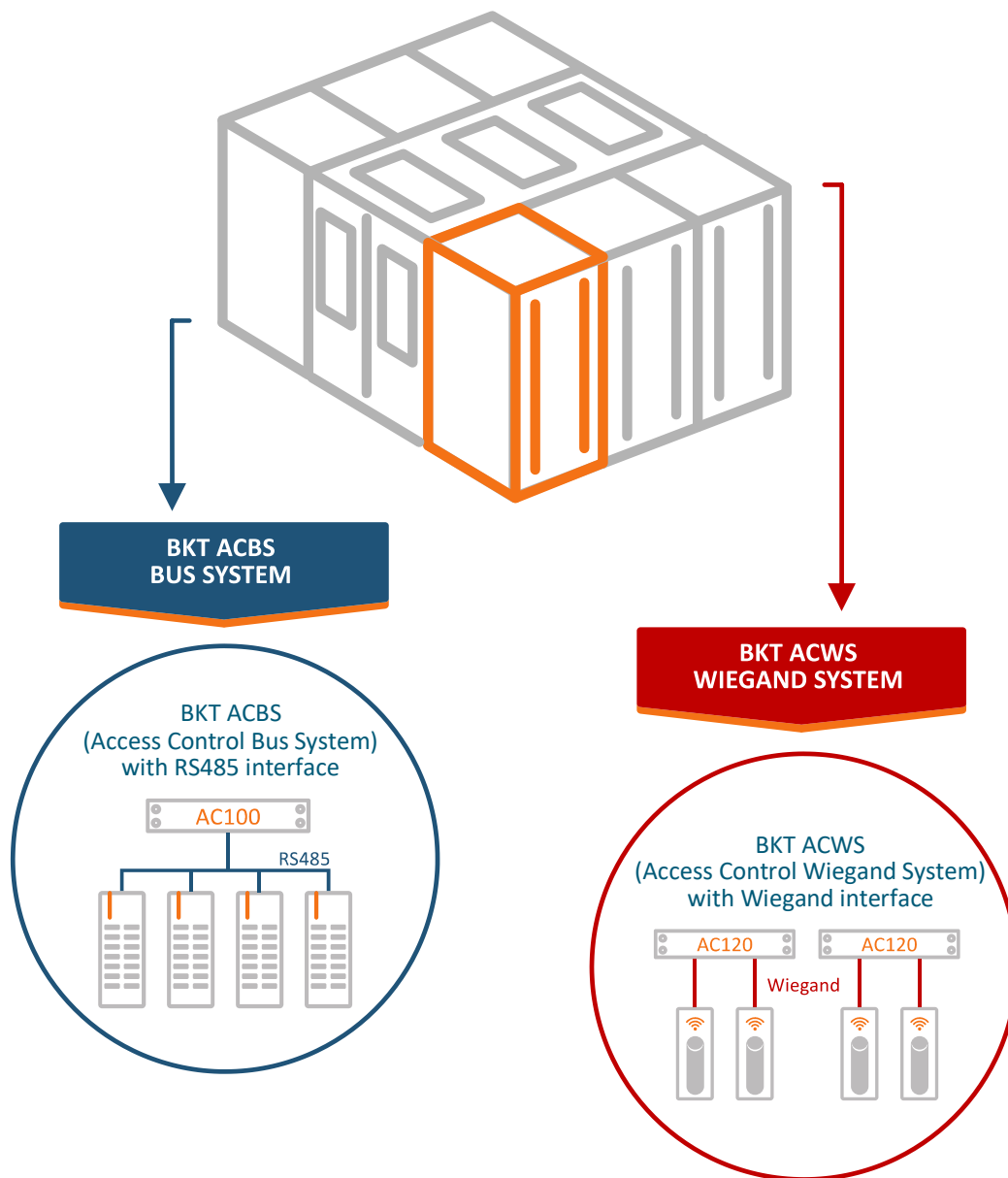
Stand-alone operation possible – without connection to database. In such a situation, all events are saved to the controller's internal memory and will be transferred when connection is resumed.



The BKT ACS is compatible with the Roger RACS5 v2.0 building system.



The BKT ACS system is available in two versions



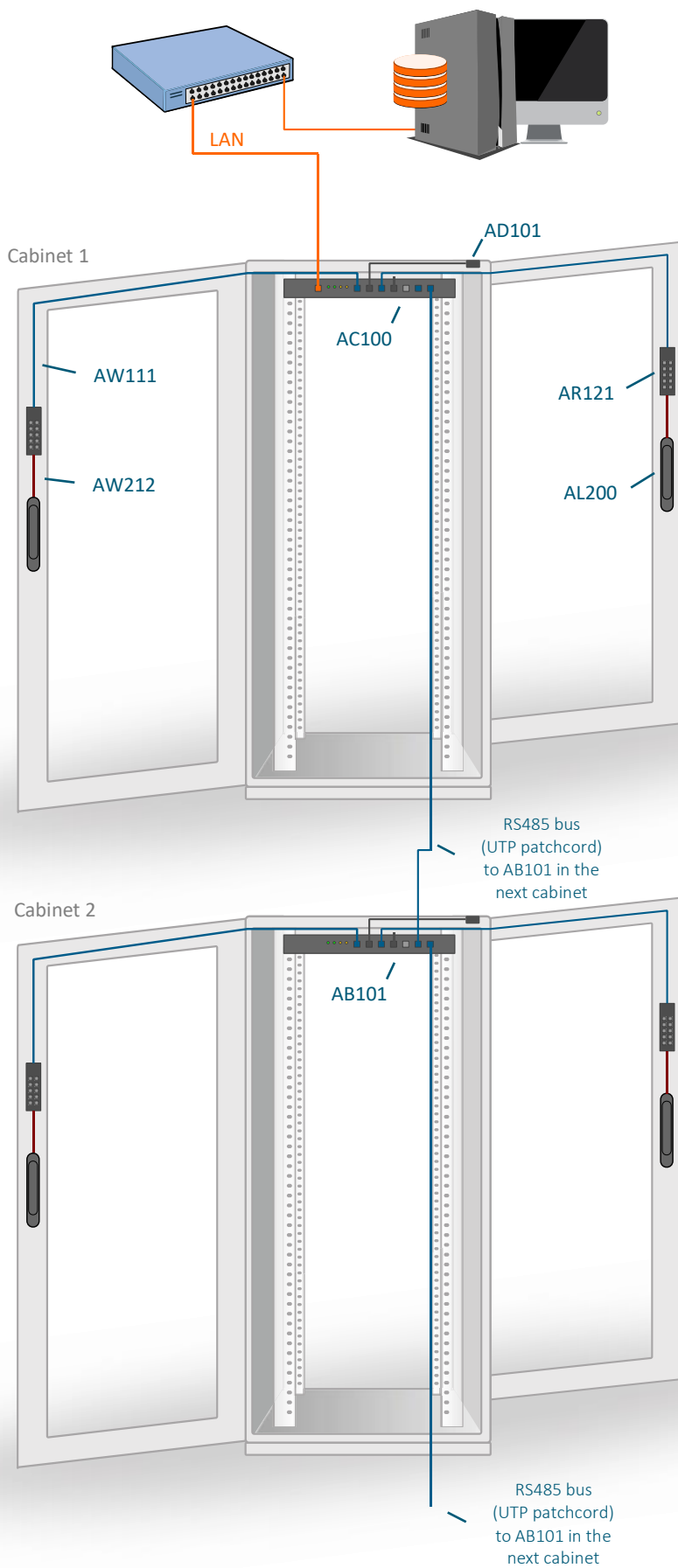
Fundamental differences between versions

System	System structure	Interface between the controller and the reader	The supported standard of proximity cards	Possibility to connect a handle AL301 (with an integrated reader)	Possibility to connect any reader with Wiegand interface	1 controller (1 IP address) for multiple cabinet doors
BKT ACBS Bus system		RS485 bus	UNIQUE 125kHz or Mifare 13,56MHz			
BKT ACWS Wiegand system		Wiegand	Any standard depending on the reader			

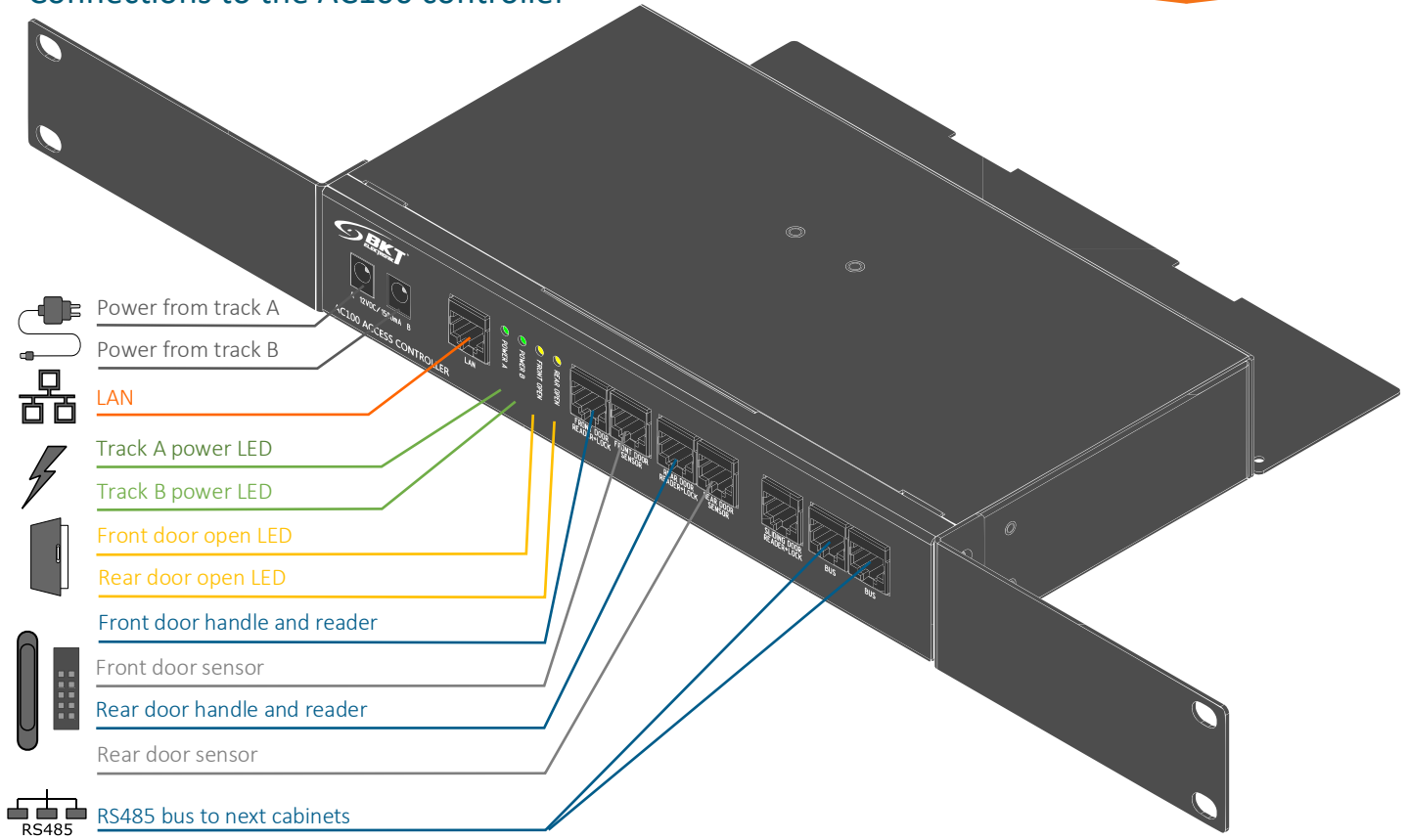
**BKT ACBS
BUS SYSTEM**

BKT ACBS structure

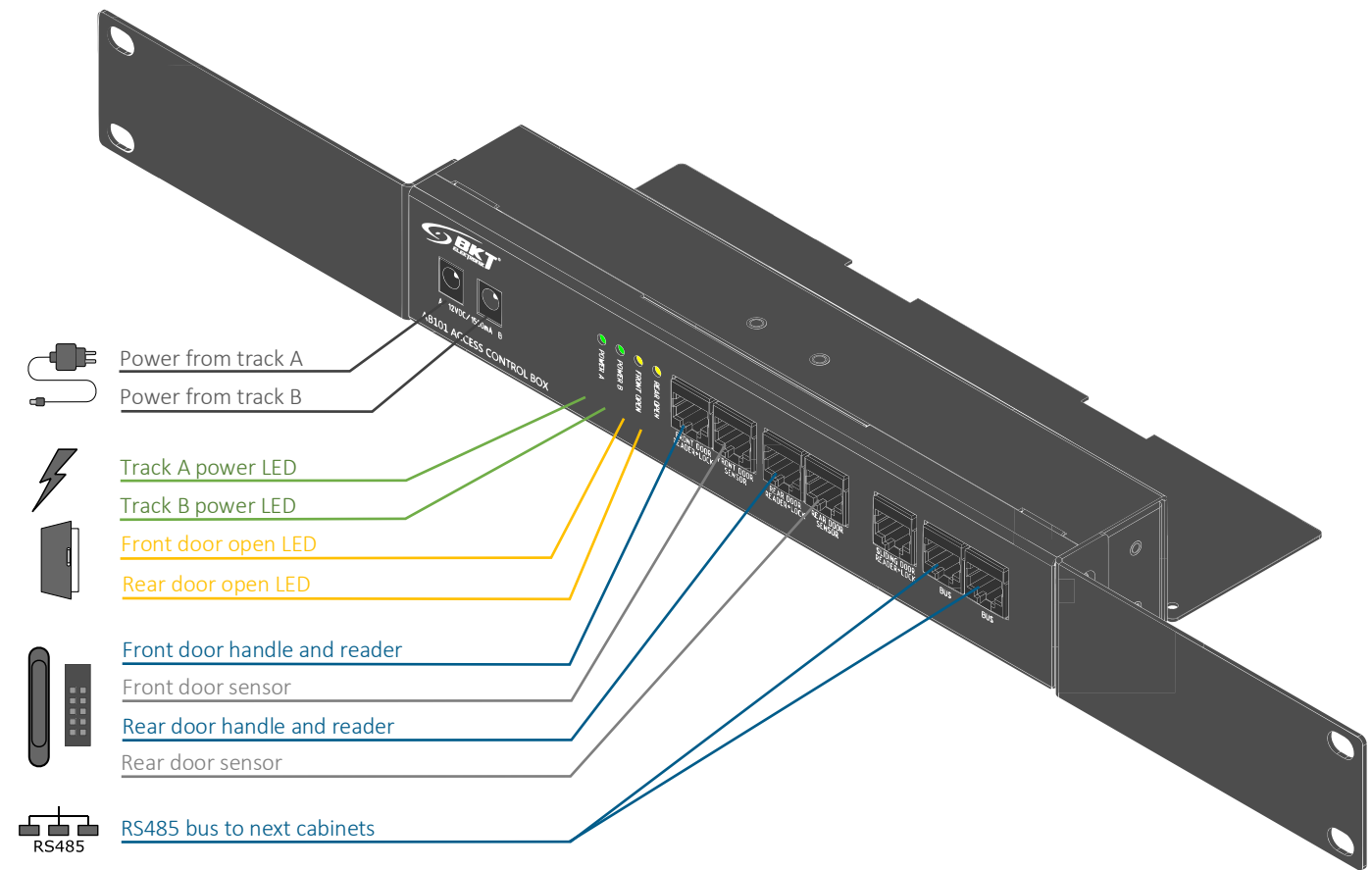
Device	Part number
 AC100 Access controller	122AC001000
 MC16-PAC-ST-4 Access controller pcb	122AC102104
 AB101 Secondary set	122AB001011
 AR121 Unique card reader	244AR001210
 AL200 Electronic swing handle	122AL002000
 AD101 Single leaf door sensor	244AD001010
 AD102 Double leaf door sensor	244AD001020
 AW111 Connection cord	244AW001110
 AW212 Connection cord	122AW002120
 Power supply	122AA100015
 Power cord unischuko-C13	11480784.2
 Power cord C14-C13	11480785.2



Connections to the AC100 controller








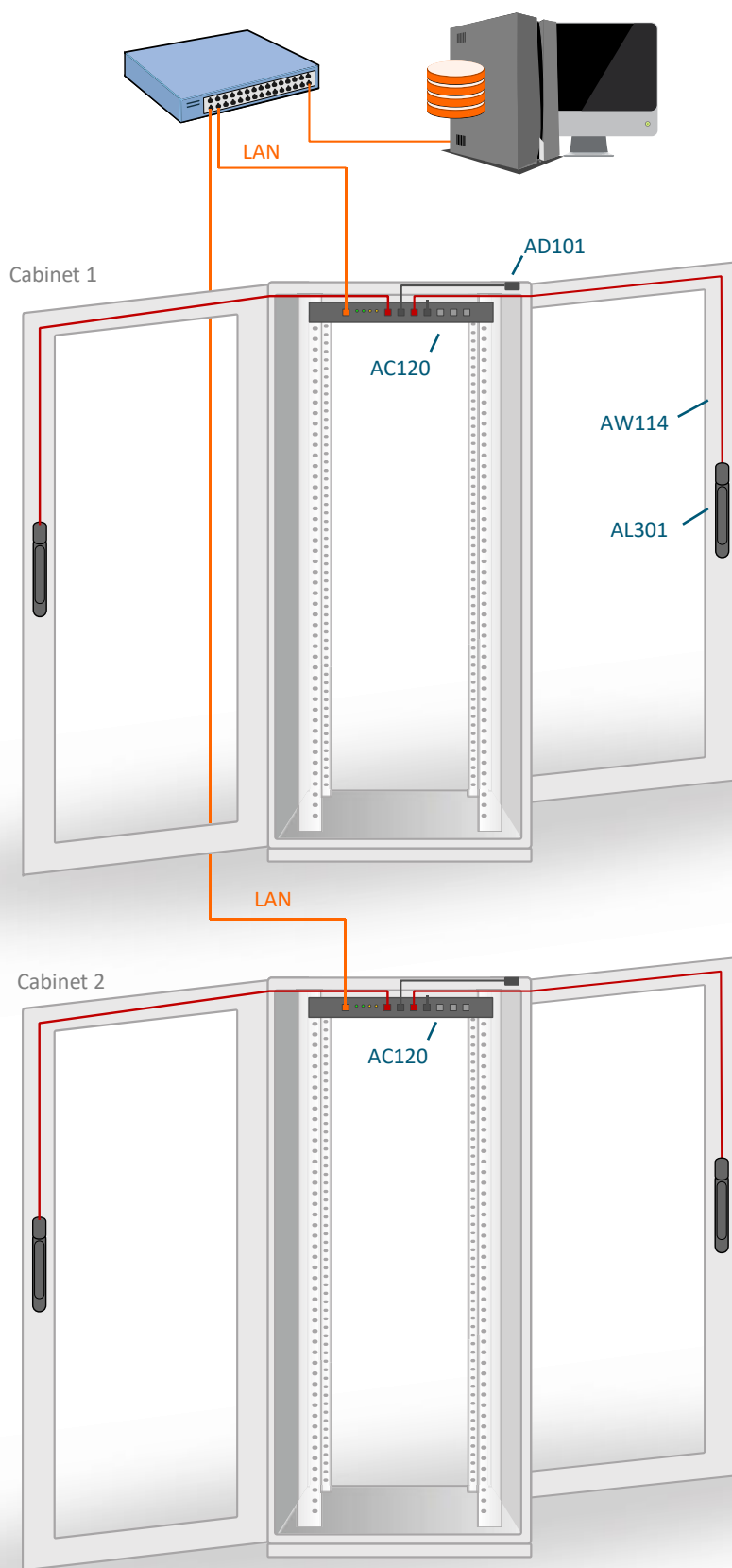
Connections to the AB101 secondary set













**BKT ACWS
WIEGAND SYSTEM**

BKT ACWS structure

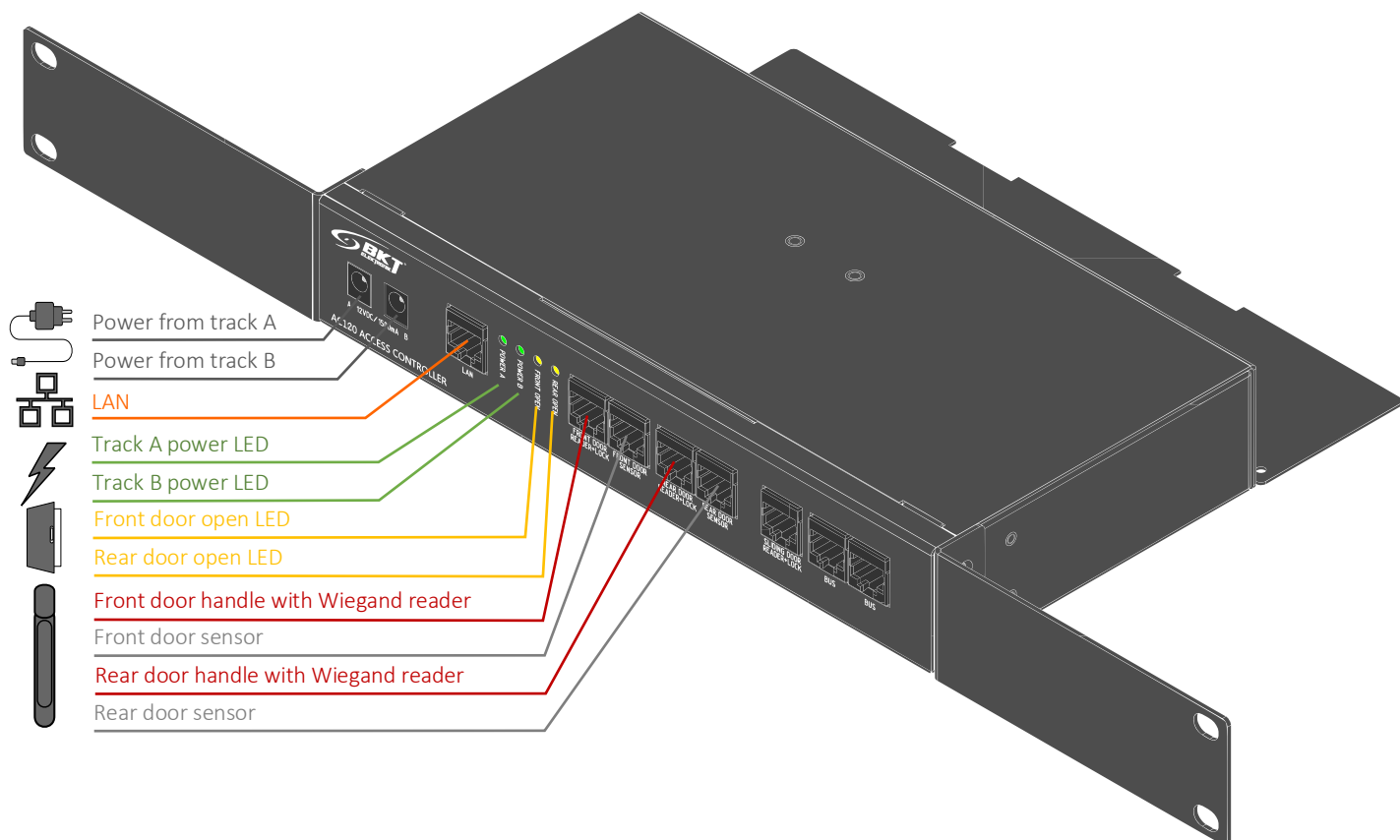
Device	Part number
 AC120 Access controller with Wiegand interface	122AC001200
 MC16-PAC-ST-2 Access controller pact	122AC102102
 AL301 Handle with Wiegand reader	122AL103011
 AD101 Single leaf door sensor	244AD001010
 AD102 Double leaf door sensor	244AD001020
 AW114 Connection cord	244AW001140
 Power supply	122AA100015
 Power cord unischuko-C13	11480784.2
 Power cord C14-C13	11480785.2



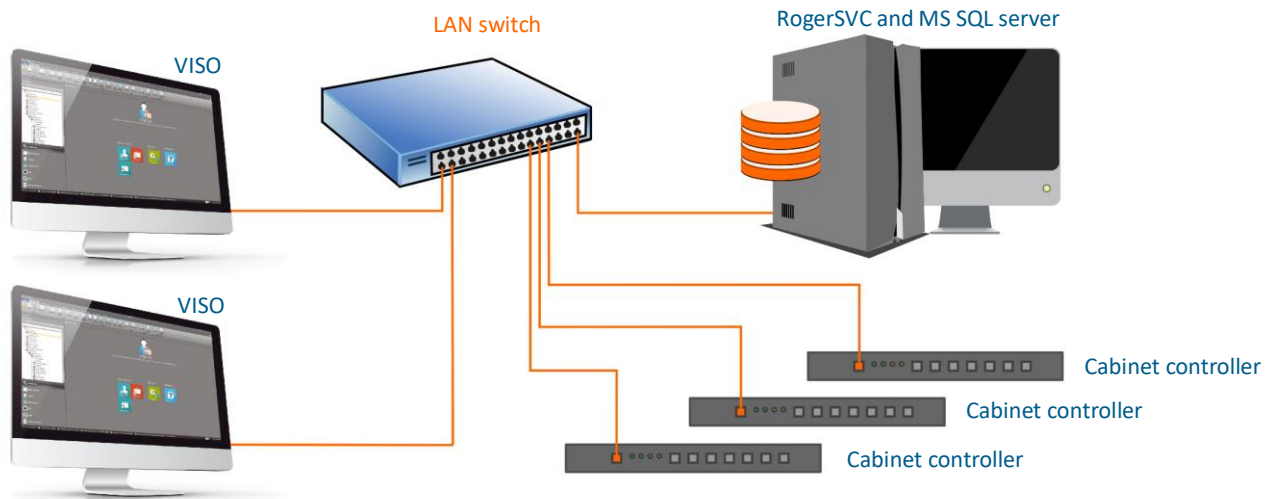
Quantitative list of devices for 1 cabinet (1 or 2 doors)

Device	Part number	1 door	2 doors
 AC120 Access controller with Wiegand interface	122AC001200	1 pc.	1 pc.
 MC16-PAC-ST-1 Access controller pcb for 1 door	122AC102101	1 pc.	-
 MC16-PAC-ST-2 Access controller pcb for 2 doors	122AC102102	-	1 pc.
 AL301 Handle with Wiegand reader	122AL103011	1 pc.	2 pc.
 AD101 Single leaf door sensor	244AD001010	1 pc.	1 pc.
 AD102 Double leaf door sensor	244AD001020	-	1 pc.
 AW114 Connection cord	244AW001140	1 pc.	2 pcs.
 Power supply	122AA100015	2 pcs.	2 pcs.
 Power cord unischuko-C13	11480784.2	2 pcs.	2 pcs.
 Power cord C14-C13	or 11480785.2		

Connections to the AC120 controller

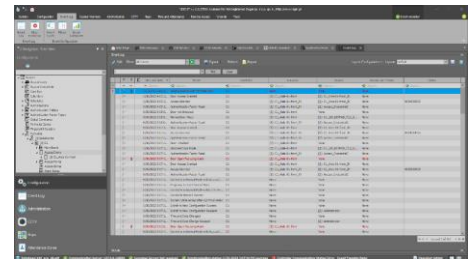
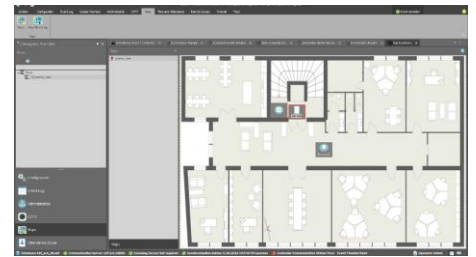


Software



VISO is a Windows application for configuration and management of the access control system. It is available in two versions VISO ST (Standard, also as a free version up to 16 doors) and VISO EX (Enterprise for installations over 128 doors). Main program features:

- MS SQL Express / Compact / Server database
- multi-station work
- encrypted communication with system devices and system servers
- defining authorizations for program operators
- registration of program operators' activities
- unlimited number of system users
- monitoring of the current operation of the system in text (table) and graphic (map) view; monitoring of selected doors with video preview
- controlling the system by means of remote commands
- defining alerts for selected events
- signalling of alerts on the operator's console
- signalling of alerts by e-mail
- support for the system administrator reader
- wizards for quick system configuration
- does not require continuous operation



RogerSVC is a free package of Windows system services, whose basic tasks are:

- communication with access controllers
- performing configured system tasks
- saving system events to the database
- requires continuous operation, if events are to be saved to the database online, otherwise the events will be saved in the controller memory and will be sent to the database after RogerSVC is restarted.

Hardware requirements

VISO (recommended):

- RAM: 4 GB (8 GB for large systems *)
- CPU: Intel Core i5 or equivalent (Core i7 for large systems*)
- HDD: 500 MB for VISO and up to 4GB for MS SQL Compact database (if used), SSD is recommended for MS SQL Compact database
- Minimum screen resolution 1280x1024

* over 50 access controllers

RogerSVC (recommended)

Small systems
(up to 5 controllers)

- RAM: 4 GB
- CPU: Intel Core i3/i5 (2 core) or equivalent
- HDD: 500 MB

Medium size systems
(5 to 50 controllers)

- RAM: 4 GB
- CPU: Intel Core i5/i7 (4 core) or equivalent
- HDD: 500 MB

Large systems
(over 50 controllers)

- RAM: 8 GB
- CPU: Intel XEON (8 core) or equivalent
- HDD: 500 MB

Software – version comparison

Parameter	VISO ST		VISO EX
	Free version	Maximum version	Maximum version
Controller supported	MC16-PAC-ST	MC16-PAC-ST	MC16-PAC-EX
Number of doors	16	128	Unlimited
Number of users	500	Unlimited	Unlimited
Operator stations	1	3	Unlimited
USB dongle for license	Not required	RUD-6-LKY	RUD-6-LKY

Software - available licenses

VISO ST licenses	Part number
LIC-VISO-START-ST - License for the management program for the RACS 5 system; starter version; no license or dongle required; free version limitations: - up to 16 doors - up to 500 users - 1 operator station	122AS102100
RUD-6-LKY - USB dongle for license	122AS102099
LIC-VISO-BASE-ST - License for the management program for the RACS 5 system; basic version; requires a license and dongle; basic version limitations: - up to 32 doors (max 128) - up to 1000 users (max unlimited) - 1 operator station (max 3)	122AS102101
LIC-VISO-ST-16AD -License for additional 16 doors (VISO-ST Standard system)	122AS102102
LIC-VISO-ST-32AD -License for additional 32 doors (VISO-ST Standard system)	122AS102103
LIC-VISO-ST-64AD -License for additional 64 doors (VISO-ST Standard system)	122AS102104
LIC-VISO-ST-100U - License for additional 100 users (VISO-ST Standard system)	122AS102111
LIC-VISO-ST-500U - License for additional 500 users (VISO-ST Standard system)	122AS102112
LIC-VISO-ST-1000U - License for additional 1000 users (VISO-ST Standard system)	122AS102113
LIC-VISO-ST-1WS- License for 1 additional operator station of VISO program (VISO-ST Standard system)	122AS102121
LIC-VISO-ST-WEB- License for VISO Web application (VISO-ST Standard system)	122AS102122
LIC-VISO-ST-MOB- License for the VISO Mobile application (VISO-ST Standard system)	122AS102123

VISO EX licenses	Part number
RUD-6-LKY - USB dongle for license	122AS102099
LIC-VISO-BASE-EX - License for the management program (VISO-EX Enterprise) for the RACS 5 system; basic version, includes a license to use VISO Web and VISO Mobile; requires a license and dongle; Basic version limitations: - up to 32 doors (max unlimited) - up to 1000 users (max unlimited) - 2 operator stations (max unlimited)	122AS102201
LIC-VISO-EX-16AD -License for additional 16 doors (VISO-EX Enterprise system)	122AS102202
LIC-VISO-EX-64AD -License for additional 64 doors (VISO-EX Enterprise system)	122AS102204
LIC-VISO-EX-128AD -License for additional 128 doors (VISO-EX Enterprise system)	122AS102205
LIC-VISO-EX-100U - License for additional 100 users (VISO-EX Enterprise system)	122AS102211
LIC-VISO-EX-500U - License for additional 500 users (VISO-EX Enterprise system)	122AS102212
LIC-VISO-EX-1000U - License for additional 1000 users (VISO-EX Enterprise system)	122AS102213
LIC-VISO-EX-1WS- License for 1 additional operator station of VISO program (VISO-EX Enterprise system)	122AS102221