BOSCH

Invented for life

Access Professional Edition 2.0

- ▶ **Compact access control based on Bosch's innovative AMC controller family**
- ▶ **Integrated Video Verification**
- ▶ **Multi-user system with definable user profiles**
- ▶ **Attendance tableau**
- ▶ **Online swipe**
- ▶ **Easy upgrade to BIS/ACE through import of existing cardholder and device data**
- ▶ **Includes Badge Designer for Photo ID Badge Printing**
- ▶ **Integrated Offline Locking System (OLS) [selected markets, only]**

The introduction of access control in a company is often done in several small steps. At first only a few central areas are monitored. As system needs expands, access control may become part of an integrated security system.

Access Professional Edition 2.0 (Access PE) allows you to start small. Your investment is always safeguarded, because it supports the same controllers as Bosch's large scale project based systems. If you need to expand your system at a later date, the door leading to an integrated management system including AMC access control is wide open.

System Overview

Access PE provides self contained access control for small and medium-sized companies. Its installation is extremely simple and fast. There is no need to install and administer a database system. The system is easy to use and enables a person with minimal training to create badges and administer access rights in a very short time. Specific event logging and reporting allows you to trace who was when and where on your company's grounds.

You can choose your readers and cards from the same bundle of devices, which are supported by Bosch's medium to large scale BIS/ACE Access Engine systems, thereby safeguarding your investment for future extensions. Card personalization is included in Access PE, providing you with the means to design your badges, to perform image acquisition with USB-cameras and to use most commercially available Card Printers.

In addition to given standardized door models it is possible to use extended I/O functionality to exert influence on diverse conditions while monitoring inputs or setting outputs.

The Access PE can be extended with two modules. A Video System on the one side and an Offline Locking System [selected markets, only] on the other side.

The Offline Locking System (OLS) is integrated into the Access PE – so a person can use the same card for both systems.

Through integrated video functionality and using the wide range of Bosch IP devices an operator for example can do a video verification by comparing live streams with the database image of the person requesting for access. Additional surveillance of the back and front of the person saves your company for unauthorized access.

Access PE runs on a standard PC with a Windows operating system (2003, XP, or Vista). This can be a single workstation computer or a client-server system with a central server and remote workstations.

**Note** Microsoft Windows XP Professional is required for any video integration.

Functions
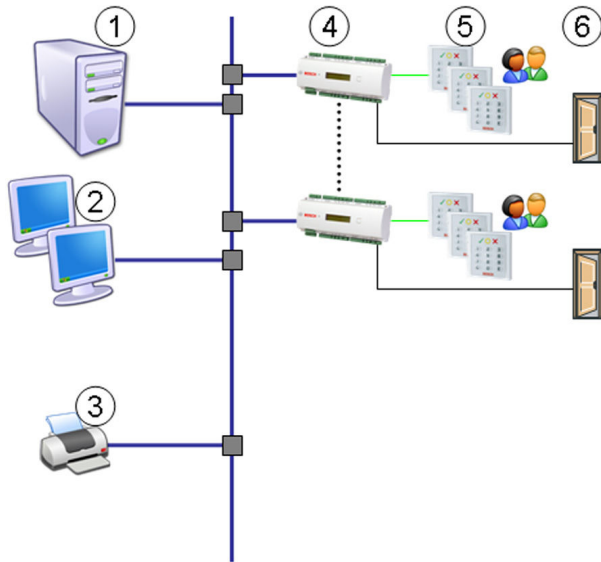
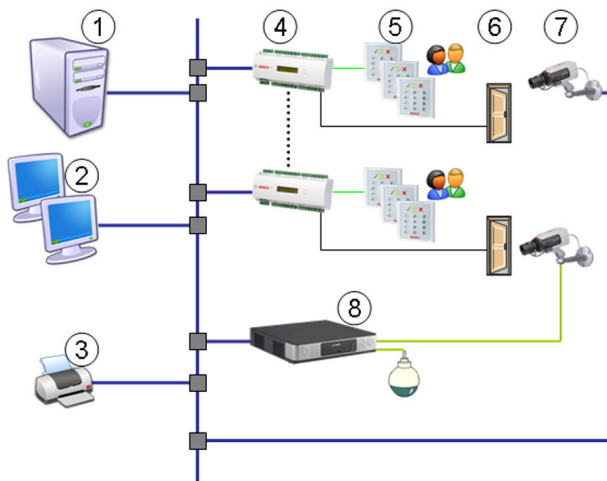| Pos.	Description
1	Server with Access PE 2.0 software
2	Workstations
3	Printer
4	AMC2 – access controller
5	Reader
6	Door strikes

The Access PE system, along with AMC access controllers, offers the following features:

- A wide range of pre-defined and self-explaining door models allow fast and easy hardware configuration through one-click selection of the door type, such as standard door, turnstile, elevator, with entrance / exit reader, and so on.
- Real-time activation of reader and cardholder configurations in the access controllers.
- Time zone support for AMC - allows installations across different time zones.
- Time schedules for time-based access permission defined per weekday including the definition of extra days, holidays, etc..
- Time schedules for automatic activation/deactivation of cardholder settings, such as access rules, pin codes and so on.

- Time schedules for automatic activation/deactivation of system settings, such as setting door status to permanent open from 9 a.m. to 5 p.m.
- Online swipe – verification via database image automatically provided through access request.
- Three PIN code types can be used for persons:
  - Verification PIN with alarm code feature
  - Identification PIN – substitutes a card
  - IDS-PIN to arm special areas
- Choose between the following access modes
  - Card only
  - PIN only
  - PIN or card
- Temporary activation/blocking of cardholders, either manually or time controlled.
- Definable input fields for cardholder information.
- Anti-Passback
- Card personalization for importing cardholder images and creating your individual corporate badge designs printable on standard card printers.
- Up to three cards can be assigned to a person.
- Creation of an acknowledgment of receipt together with the print of the picture and the badge design.
- Creation of logical areas, which could be single rooms, groups of rooms, whole floors or parking lots, where access control points could be assigned to.
- Full archival and restoral of system data.
- Using the Bosch controller family AMC digital and monitored I/Os for additional control and monitoring functions or easy intrusion features.
- Supported languages:
  - English
  - German
  - Dutch
  - Polish
  - Simplified Chinese
  - Russian
  - Spanish
  - Portuguese (Brazil)
- Detailed event log for recording access events.
- Integrated filter- and reporting features.
- Export into standard CSV-format for further processing.
- Comprehensive online help
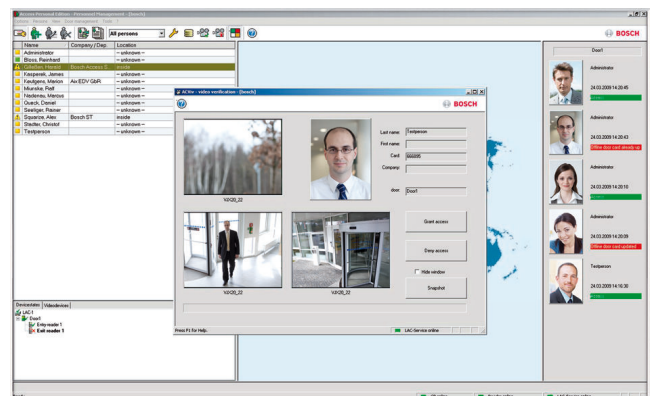
Video

Pos.   Description

Additional to the positions in the first system overview the video components are included now.

7   Cameras

8   DVR or encoder

Entrances from special interest can be equipped with additional video devices providing different options. The integrated video functionality in Access PE allows to assign up to five cameras to a door, each to be used as an ID or surveillance camera. With video verification the security level is raised by comparing the person's database image with a live stream while the environment can be observed for tail-gating or possible threats.

Any violation, such as door open time exceeds, will provide alarm images for further investigation. Storage of those alarm images and retrieval of alarm archives using Bosch video storage systems are supported as well.
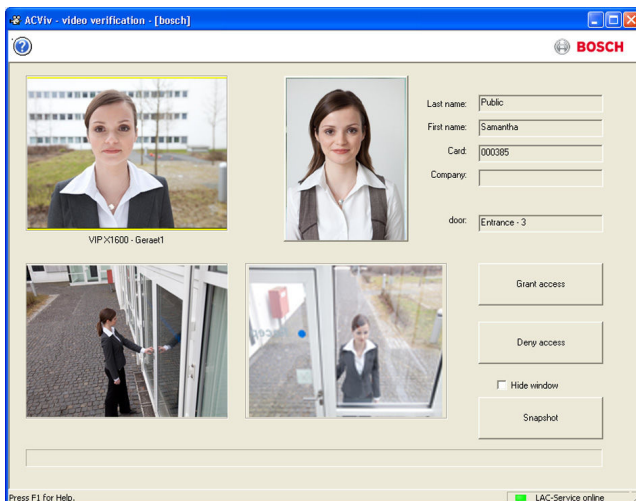
Additional functionalities are:

- Alarm verification – providing live images caused through typical alarms around a door.
- Video playback from archives reporting on access requests or alarm situation with minimum search time.
- Live video can be selected from single camera or 2x2 matrix (quad mode).

Offline Locking System (OLS) [selected markets, only]
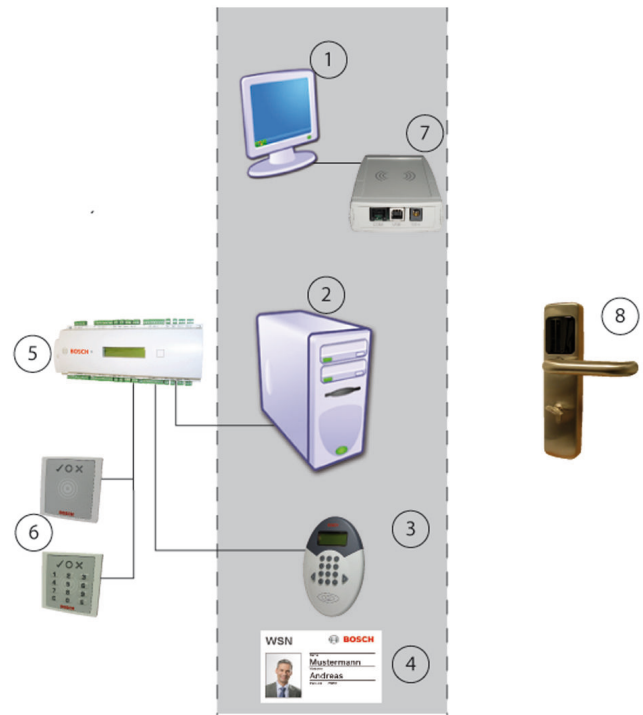
The OLS uses some components of the Online System. In the picture above the part with the grey background shows the devices which are used for both systems. On the left hand side there are devices of the Online-System and on the right devices of the OLS.

Pos.   Description

1   Workstation

2   Server with configuration applications and the database

3   Access control reader with write module

4   Card – can be used for both systems

5   AMC2 4R4 – access controller

6   Access control reader

7   Dialog reader to read and write cards

8   OLS terminal

With the OLS it is possible to integrate a large quantity of rooms which are far away or not so security relevant in the access control system. All data are stored in the same database and the persons need only one card for both – the Online- and the Offline-System.

Special reader with write-module (3), which are usually used for access control in the Online System, renew data and validity dates on the cards.

Note   Writing OLS data onto cards can only be used with an AMC2 4R4. Systems with Wiegand-interface-controller (AMC 4W) have to be expanded with at least one AMC2 4R4 and the corresponded reader.

Parts Included

- Access Professional Edition Software
- Card Personalization Software
- Quick start guide
- Documentation CD

Technical Specifications

Max. number of active cardholders	10,000
Cards/person	up to 3
PIN codes	4 to 8 digits
PIN code types	Verification PIN Identification PIN Arming PIN Door PIN
Access modes	Card only PIN only PIN or card
Max. number of time profiles	255
Max. number of access authorizations	255
Max. number of area/time authorizations	255
Max. number of access authorizations groups	255
Max. number of readers	128
Max. number of remote workstations	16
Max. number of I/O extension boards per AMC	1
Video	
Max. number of cameras	128
Identification camera	1/entrance
Surveillance cameras	up to 4/entrance
Back surveillance	2/entrance
Front surveillance	2/entrance
Alarm and logbook camera	1/entrance
Offline Locking System (OLS) [selected markets, only]	
Max. number of entrances	1,000
Time models	15
Periods/ time model	4
Special days	10

Ordering Information

Access PE - Basic License 1 Client, 16 Readers, 2,000 Cards	ASL-APE2P-BASE
Access PE - Extended License 2 Clients, 64 Readers, 10,000 Cards	ASL-APE2P-BEXT
Access PE - Reader Expansion License Additional 16 readers – highest limit per system: 128 readers	ASL-APE2P-RDR
Access PE - Client Expansion License One additional client – highest limit per system: 16 clients	ASL-APE2P-CLI
Access PE - Video Activation License Enables video with 16 channels	ASL-APE2P-VIDB
Access PE - Video Expansion License Additional 16 channels – highest limit per system: 128 channels	ASL-APE2P-VIDE
Access PE - OLS Activation License Enables Offline Locking System (OLS) with 16 doors	ASL-APE2P-OLSB
Access PE - OLS Expansion License One additional door for the Offline Locking System (OLS) – highest limit per system: 1,000 doors	ASL-APE2P-OLSE