

## BIS ACE Offline Doors 4.9.1



BIS Offline Doors is an optional extension to BIS Access Engine. It provides the ability to program and manage a set of door locks securely and efficiently, without requiring the locks to be continuously online.

### System overview

#### Areas of application

Offline locking systems are ideal for controlling access to doors that need not (or can not) be continuously online. They are used where the costs of a fully online system would be too high, but conventional hardware lock-and-key systems too inflexible.

Offline locking systems are typically used for sites where a large number of doors require individually controlled access, such as hotels, students' residences, schools and hospitals.

The high cost of replacing lost or stolen keys can be avoided completely, because the system can quickly be reprogrammed to reject any cards that have been declared missing, thus rendering them useless.

#### Usage

In offline locking systems the authorizations for doors are stored on user cards. When the user card is presented at a door the inbuilt offline reader determines whether the card is currently authorized to open that door, and activates the cylinder accordingly.

For additional security the authorizations on a card are typically limited to a particular time period. Once this period expires the authorizations automatically lose their validity.

Door terminals are programmed and reprogrammed through the use of system cards.

- ▶ Extend your BIS Access Engine by the ability to control and manage doors that are not continuously online.
- ▶ Enjoy the advantages of centralized door management without the cost of a dedicated network.
- ▶ Choose from a wide range of compatible lock cylinders and door fittings.

System cards and user cards, with their authorizations and time limits, are defined by special dialogs within BIS Access Engine, and the cards reprogrammed by enrolment readers listed below.

The BIS Offline Doors extension is integrated with and managed by the Access Engine in the Building Integration System (BIS) versions 4.2 and higher.

### Functions

The offline locking system consists of software, hardware and accessories. The hardware is freely available on the open market from Bosch partners. The software license enables a number of dialogs in BIS and ACE.

#### Software:

- Configuration dialogs are made available within BIS and the BIS Access Engine (ACE).
- BIS and ACE are prerequisites for ordering the offline locking system.

#### Hardware:

- Enrolment readers. See list of supported readers below.
- Terminals for installation in door fittings.

#### Accessories:

- System cards for initializing door terminals and updating access authorizations.
- User cards for accessing the doors within the system.

### Installation/configuration notes

| Limits                                   | Values |
|--|--------|
| Number of doors in the basic license     | 25     |
| Number of doors in the extension license | 25     |
| Max. number of offline doors             | 65000  |
| Max. number of door groups               | 1024   |
| Max. number of time models               | 16     |
| Max. number of special days              | 10     |
| Max. number of special periods           | 2      |

| Reader technologies | Supported PegaSys enrollment readers (Firmware version) |
|---------------------|---|
| MIFARE DESFire      | DELTA 10x0 MD (69970)<br>BT only                        |
| MIFARE classic      | DELTA 7020 MF (69720 / 69916)                           |
| LEGIC advant        | DELTA 10x0 LA (69920)<br>BT only                        |
| LEGIC prime         | DELTA 7020 LE (69633 / 69916)                           |
| HITAG1              | DELTA 7020 HI1 (69462 / 69916)                          |

| Offline components | Firmware                                       |
|--------------------|--|
| Door fittings      | MIFARE V2.1.5<br>LEGIC V1.9.2<br>HITAG V4.6B   |
| E-cylinders        | MIFARE V2.2.15<br>LEGIC V2.3.5<br>HITAG V1.6.1 |
| Lockers            | MFP16x_1.42, HW202.a90                         |

### Technical specifications

See the specifications for the respective version of the BIS Basic Package.

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### Ordering information

**BIS-FACE-OFFL49 License for offline basic package**  
License for the BIS ACE Offline Doors basic package.  
Available in certain countries.  
Order number **BIS-FACE-OFFL49 | F.01U.395.621**

**BIS-XACE-25OF49 License for 25 offline doors**  
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