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FlexAir® Access Control – A New Standard for Flexible Integration

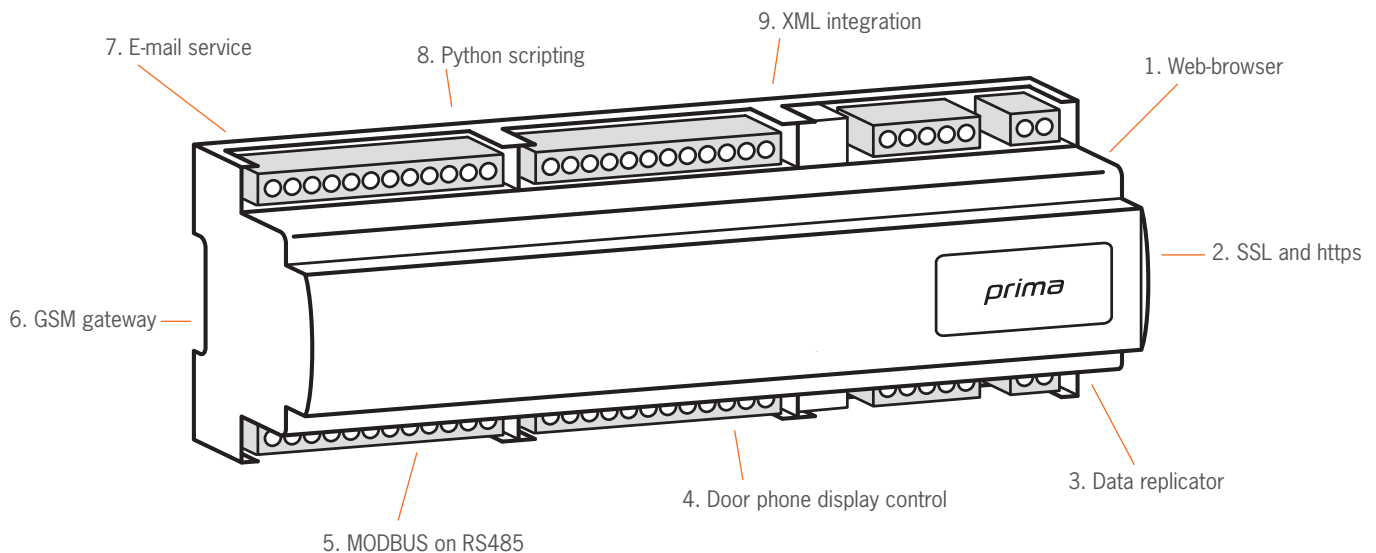# FlexAir® – the ideal solution for your individual needs

FlexAir® is a new standard for open access control. The system gives you the freedom to customize exactly the solution required. Any integration or programming can be made at any time, as FlexAir® provides maximum flexibility.

The heart of the system is the powerful Alpha central. The central itself is a computer with a web-browser user interface. The centrals can control up to 4 doors and can be connected to

large or small networks. The centrals replicate the database between them, giving you a completely decentralized access control system including full backup of each central's database.

FlexAir® is based on the philosophy that the system must be totally independent of Microsoft, Google, Apple, etc. It does not need a computer for administration or backup, as this is handled by the centrals in the system.

MANY BUILT-IN FEATURES IN THE ALPHA CENTRAL

7. E-mail service
8. Python scripting
9. XML integration
1. Web-browser
2. SSL and https
6. GSM gateway
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3. Data replicator
4. Door phone display control
5. MODBUS on RS485

See a detailed description of the features on page 3.

MANAGE DOORS, PEOPLE, MESSAGES AND ACCESS RIGHTS WITH FLEXAIR®

Features

Alarm integration	NFC (Near Field Comm.)
Booking service	Info service & control
Booking terminal	E-mail service
Open the door via	Parking integration
cell phone (GSM)	SMS in/out
Door central backup	Malfunction warnings
Lift integration	Wiegand interface
Events list with snapshot	Building Information Control

Advantages

NO server needed	Integration with third-party software
Copy-protected cards	Range of online and offline readers
Easy firmware update	Secure connections
Encryption	Personal end-user settings
Flexible internet installation	Customizing with Python scripting
High level of safety	User-friendly software

DETAILED DESCRIPTION OF FEATURES

1. Web-browser – makes it versatile and easy to use from anywhere

Nova software .... For both commissioning and daily use
Booking service .... For booking anything and giving access rights – who, where and when
Booking terminal .... Users can book on site instead of through a webpage
Personal settings .... End-users can edit personal information such as mobile numbers, names on displays, etc.

2. SSL and https – makes it possible to connect centrals directly on the internet and obtain a higher level of security

Secure connections............................ Protects the system against unwanted access
Encryption .... Protects the communication between centrals and from centrals to readers
Copy-protected cards .... Protects against copying password-protected card data used in FlexAir®
SSL certificates .... You can use our standard certificate or your own

3. Data replicator function – makes the installation and firmware update easy and flexible

Decentralized backup .... The Alpha central provides you with a complete backup of each central's database
IP-connection .... The Alpha central comes with an IP connection as standard
Centrals with PoE .... The Alpha central comes with 2 or 4 doors and with or without PoE supply
Easy firmware update .... Software can be updated on request for all readers and centrals in the system
Flexible installation .... Install the centrals near the doors and use the IP network to control the rest of the system

4. Door phone display control – simplifies name labelling and administration

Control names .... The FlexAir® system can control the usernames on display door stations
Apartment nameplates .... Through a door phone system, it is easy to manage apartment nameplates

5. MODBUS on RS485 BUS from centrals to readers – makes the selection of readers broad

Mifare readers .... FlexAir® offers online Mifare readers with read-&-write functionality
Offline readers .... FlexAir® offers a complete range of offline cylinders, door handles, locker locks and padlocks
Wiegand interface .... FlexAir® can integrate any reader on the market if they have Wiegand output
Prox readers..................................... The Alpha central supports 125 KHz prox readers
Keypad readers .... All standard readers can be delivered with keypads
NFC is standard .... All standard readers are prepared for NFC communication, which can be activated
Vandal protection .... Several readers are made with vandalism protection for high-crime areas
Remote control .... Doors can be opened from a distance using remote controls

6. GSM gateway - makes it easy for users to control the system

GSM gateway .... The GSM gateway can open doors via phone calls or SMS messages from users
Send SMS messages .... The GSM gateway allows the system to send a SMS message in case of pre-defined events
Receive SMS messages .... The FlexAir® system functions can be controlled by SMS messages

7. E-mail service – makes it easy to issue warnings and send e-mails with snapshots

Send information e-mails..................... Send e-mails when predefined events happen to users
Send warning e-mails.......................... Send warnings to administrators if required
Send snapshots .... Send e-mails with a snapshot from IP cameras when a pre-defined event happens

8. Python scripting and EX|FU modules – makes it possible to meet any need and wish

Python scripting .... Python scripting can be used to make e.g. advanced alarm integration or building automation
Input and outputs .... Python scripting uses any input or output in the system to comply with your request
EX|FU modules................................... FlexAir® and its EX|FU modules can be used for parking control, traffic light control, etc.
Lift control.. FlexAir® has a special lift central with very easy configuration

9. XML integration – simplifies communication and integration

Integrate with anything................. FlexAir® can be controlled or integrated completely via XML integration
Third-party software .... FlexAir® is an open platform that can be used with any other third party software

A SELECTION OF OUR OFFLINE AND ONLINE READERS

Nexus readers with and without keypad. The small Nexus reader can be installed in door stations.

Vandal shields as protection for Nexus readers and padlocks.

Offline compact locks for cabinets, servers and racks.

Offline readers EvoLock®, Senso-Lock® and padlocks.

Outstanding features of FlexAir®

Maintenance

One of the significant advantages by using FlexAir® is that no server is required, as all software runs on the central. This provides an automatic backup service on each central, thus avoiding the risk of a server breakdown. Overall, this makes FlexAir® very cost efficient and ensures a high level of continuity.

Communication

The open platform of FlexAir® secures communication between centrals and readers using the RS485 Modbus protocol, giving you much longer cable distance, reading and writing to card functionality and a wide assortment of readers to choose from.

Due to the full integration of third-party software, XML and Python scripting, FlexAir® sets a new standard for satisfying needs and wants – both now and in future.

Complete access control system
• PLC & integrated IP cameras
• Video systems
• Display door stations
• Booking services
• Visitors management
• Smart parking with UHF or RF transmitters
• Replacement of traditional mechanical locks

Examples of integration possibilities
• Video
• Time & attendance
• Home automation
• Lift
• Parking
• Doors
• Third-party software
  integration option

Guarantee

When buying a FlexAir® system you get a two-year warranty and a guarantee that spare parts are available for ten years.

We give high priority to innovation and development and make sure that our products can be updated through software to comply with modern standards. Therefore, you will never have to replace any hardware, because it is only a matter of software.

100% ACCESS CONTROL
100%
SIMPLE · SECURE · ECONOMICAL

Experts in the field of access control

Prima was founded by a group of engineers with years of experience in the field of access control. We combine our specialist expertise with our solid first-hand experience to develop convenient solutions for our customers.
We aim to develop access control systems based on what our clients want and need with high security in mind.

Our systems also include high flexibility and quality, which make it possible to create dynamic, innovative solutions. Prima develops solutions suitable for all industrial, office, home and apartment buildings, where traditional mechanical lock systems are being replaced with intelligent access control systems, saving both money and time. We base our solutions on an open platform, which is easy to integrate with video, time and attendance, booking, house automation and other customized solutions that you might require.

We provide 100% access control systems focused on software, hardware and centrals. We co-operate with experts in the field to develop secure, yet user-friendly products for customers.

Our production and development is located internationally, and our experienced sales force and technicians are always ready to help you.

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