



dormakaba wireless gateway 90 42

Wireless access – fully integrated

Your access – easy and secure

The dormakaba wireless gateway 90 42 networks the wireless dormakaba door components with the access system. It transfers new access authorizations to the doors wirelessly. The data is secured using the latest in encryption technology. Wireless door components are therefore seamlessly integrated into the access system.

Flexible integration

The simple installation process enables you to integrate the dormakaba wireless gateway 90 42 into the platform-based, internet- based dormakaba access system. You can expand existing access solutions or install new ones quickly, securely and cost-effectively.

Handling made easy

Access authorization can be issued or withdrawn within seconds from the comfort of your desk.

On-site programming is no longer necessary. Notifications of status information such as 'Door opened' or 'Battery low' are sent immediately by the gateway to your administrator.

Areas of application

The dormakaba wireless gateway 90 42 is suitable for small and medium- sized companies. It can be used where electronic access components are required, where changes need to be made quickly or where there are specific door monitoring requirements and cabling is not possible due to access restrictions.

Possible situations:

- historic buildings
- office features, such as
- glass doors or glass walls
- upgraded access points

Advantages at a glance

Highly secure

Wireless communication is encrypted with AES

Convenient programming from your desk

Door and status information is automatically displayed

Easy installation

Using PoE (Power over Ethernet), the gateway doesn't need any additional power supply

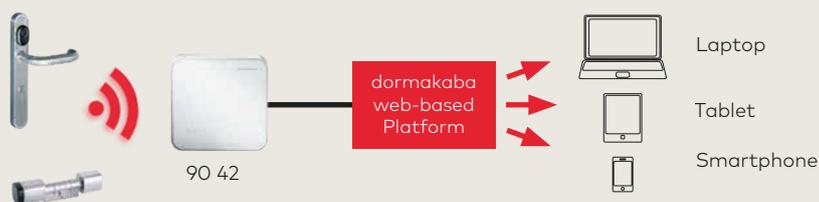
Elegant design

The high-quality, discreet design blends in seamlessly with the building's existing structure

Can be expanded

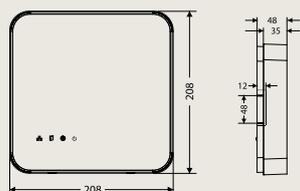
The range between the gateway and door components can be extended using a wireless extender

Features



dormakaba wireless gateway 90 42 is connected wirelessly to its access components, and via Ethernet cable to the dormakaba web platform and the relevant access system.

Dimension drawing of dormakaba wireless gateway 90 42 (Measurements in mm).



Key wireless functions

- Easy to issue and withdraw access rights wirelessly
- Door status and access events retrievable at any time
- Alarm sounds if a door is forced (depending on components)
- Device software updated wirelessly
- Remote approval of access for selected doors
- Automatic status notifications (e.g. battery status)

Supported components

One dormakaba wireless gateway 90 42 supports up to 16 access components and up to 8 wireless extenders 90 41.

Highly secure

Data transmitted between the gateway and door components is encrypted immediately at a network and application level using AES. The codes for this are generated by the system and are unique for each system.

Extending the range

If there is a large distance between the dormakaba wireless gateway 90 42 and the door components or if the structural design is difficult, the range can be extended with one or several dormakaba wireless extenders 90 41.

Assembly

Indoor installation can be carried out on either walls or ceilings simply by using two screws. Thanks to PoE (Power over Ethernet), only one Ethernet cable is attached (plug & play); no additional wiring is required.

Putting into operation

The gateway and wireless components are put into operation using the access system and relevant set-up cards.

Updates

Software for dormakaba wireless devices and the gateway 90 42 can be conveniently updated from your desk. The gateway ensures that these updates are transmitted wirelessly and without error to the wireless components.

Any questions? We would be happy to answer any questions you may have.

Technical specification

Models / dimensions

- 208 x 208 x 48 mm (W x H x D)
- Colour: white

Interfaces

- 10/100 Mbps Ethernet

Radio interface

- Technology: IEEE802.15.4
- Frequency band: 2400 to 2485.5 MHz (16 channels)
- Transmission power: + 8 dBm

Power supply

- PoE (Power over Ethernet) IEEE.802.3af
- Power consumption: Type 5 W max. 6 W

Ambient conditions

- Operating temperature: 0 °C to +50 °C
- Protection type: IP40
- Humidity: 5% to 85%, non-condensing

Certificates/standards

- EN 300 328, EN 301 489-1
- EN 55022, EN 55024
- IEC 60950-1
- FCC CFR47 Parts 15(b), 15(c)
- IC RSS-210 and IC RSS-GEN

Further details and order information can be found in the relevant dormakaba catalogues or system descriptions.

Subject to change without notice.
©2018 dormakaba. Version 09/2018