

dormakaba Wireless Gateway 90 42

Connect to your door wirelessly



 Wireless

Benefits at a glance

- **Convenient programming from your desk**
Door and status information are displayed automatically
- **Easy installation**
Thanks to PoE (Power-over-Ethernet), the gateway doesn't need an additional power supply
- **Stylish design**
The high-quality, discrete design blends seamlessly into the existing building structure
- **Expandable**
The range between the gateway and door components can be enlarged using wireless extenders
- **High security**
Wireless communication is encrypted with AES
- **Flexibility in mobile network**
Thanks to the optional LTE version, the wireless gateway can also be operated without a LAN connection.

Making access convenient and secure

The dormakaba Wireless Gateway 90 42 connects wireless door components to the access system. It wirelessly transmits new access permissions to the doors.

The data is secured using state-of-the-art encryption technology. This way, cable-free door components are seamlessly integrated into the access system.

Simple integration and operation

Thanks to the straightforward commissioning, the Wireless Gateway 90 42 can easily be integrated into dormakaba's cloud platform. It allows you to expand existing access solutions or install new ones quickly, securely and economically.

Handling made easy

Access permission can be granted or withdrawn within seconds, conveniently from your desk. No on-site programming is required. For status information like "Door open" and "Battery low", the gateway ensures that your administrator receives immediate feedback*.

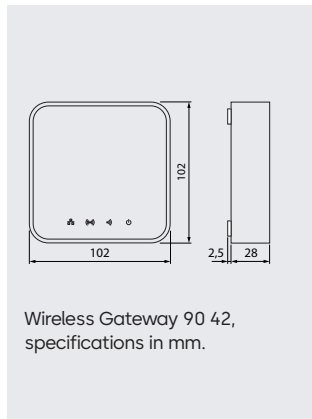
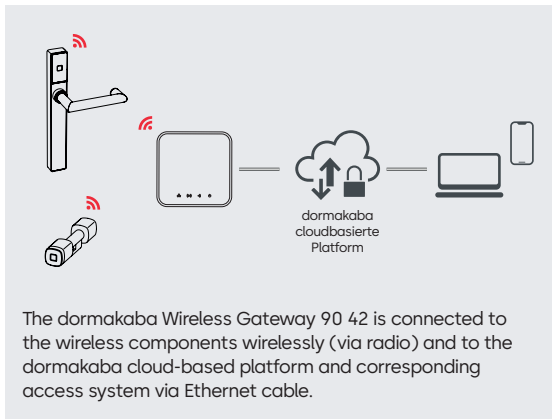
Areas of application

The Wireless Gateway 90 42 is suitable for both small to medium-sized enterprises and large-scale plants. It is perfect for areas requiring a certain level of door monitoring where access does not permit wiring.

Possible situations:

- Historical buildings
- Office spaces, e.g. with glass doors or glass walls
- Retrofitted access points

* Depending on the access solution in use



Technical information

Types/dimensions

- 102 x 102 x 28 mm (W x H x D)
- Colour: white

Interfaces

- Ethernet 10/100 Mbps
- USB 2.0

ZigBee radio interface

- Technology: IEEE802.15.4
- Frequency band: 2.4 GHz (16 channels)
- Transmitting power: +12 dBm
- Receiver sensitivity: -101 dBm @ 1% PER

LTE radio interface (version)

- Frequency: 2G, 4G
2.4 GHz (16 channels)
- Transmitting power: Class 3 (0.2 W, 23 dBm)
- SIM card: Micro SIM

Power supply

- PoE (Power over Ethernet) IEEE.802.3af
- 9 VDC, ≥800 mA
- Coaxial plug 3.5 mm/1.35 mm
- Power consumption Type. 1.2 W, max. 2.5 W

Ambient conditions/operating temperature

- Class of protection: IP20
- Temperature: 0 to +50 °C
- Humidity: 5–85%, non-condensing

Subject to technical modifications.
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The most important wireless functions

- Convenient wireless granting and withdrawal of access rights
- Door status and access events can be monitored at all times (system-dependent)
- Immediate alarm if a door is broken open (system-dependent)
- Firmware is updated wirelessly
- Doors are released via mouse click
- Automatic reporting of the battery status

High level of security

The data transmitted between the gateway and the door components are encrypted with AES at both the network and application levels. The keys required for this are generated for the specific set-up card and not transmitted via the radio interface.

Supported components

A Wireless Gateway 90 42 can support up to 16 access components.

Increasing the range

In the case of larger distances between the Wireless Gateway 90 42 and the door components, or in the case of difficult construction scenarios, the range and radio quality can be enhanced with up to eight wireless extenders.

Assembly

Interior installation is carried out via simple wall or ceiling mounting with two screws. Thanks to PoE (Power over Ethernet), an Ethernet cable is simply clicked in – no additional cabling is required.

Commissioning

The gateway and wireless components are commissioned with the access system and corresponding set-up cards.

Updates

Firmware updates can be carried out easily from your desk. What's more, the gateway ensures that these updates are wirelessly transferred to the wireless components.

Note: The scope of the product functions actually available depends on the context in which the system is used. You will find further details and order information in the relevant dormakaba catalogues or system descriptions.

Any questions? We will be happy to assist you.

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