Baseline product line

Hub (4G) Jeweller

Control panel with Jeweller support (1 × SIM LTE, Ethernet)



2 GRADE EN 50131

PD 6662 2017

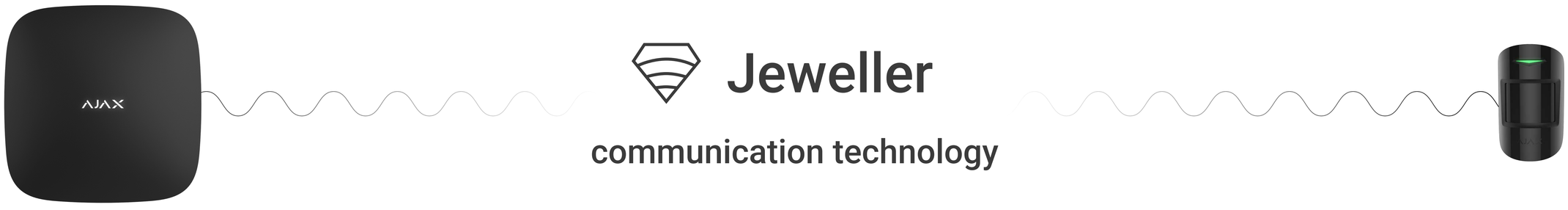
NIST AES-128 Approved

- Connection to the security company’s CMS
- Informing users via push notifications, and SMS
- Wireless communication with Ajax devices up to a distance of 2,000 m
- Integration with cameras and NVRs

Hub (4G) Jeweller supports 4G (LTE) networks. In regions with operational 2G networks, the Hub (2G) Jeweller control panels are available, designed specifically for 2G networks support.

Instant alarm transmission

To ensure swift alarm transmission to security companies and users, Hub (4G) Jeweller features two communication channels — Ethernet and SIM card on 4G (LTE) networks. Operating in parallel, these channels seamlessly switch in seconds, providing an always-online assurance for uninterrupted communication.



The Ajax system uses secure two-way radio communication based on the Jeweller proprietary protocol. It ensures a communication range of up to 2,000 m between the hub and connected devices, using time frames for synchronization, authentication to prevent spoofing, and encryption for data theft protection.

Jeweller uses polling to display real-time device status in the Ajax apps. Automatic power adjustment ensures energy efficiency by avoiding the constant use of maximum power in system devices' radio transmitters.

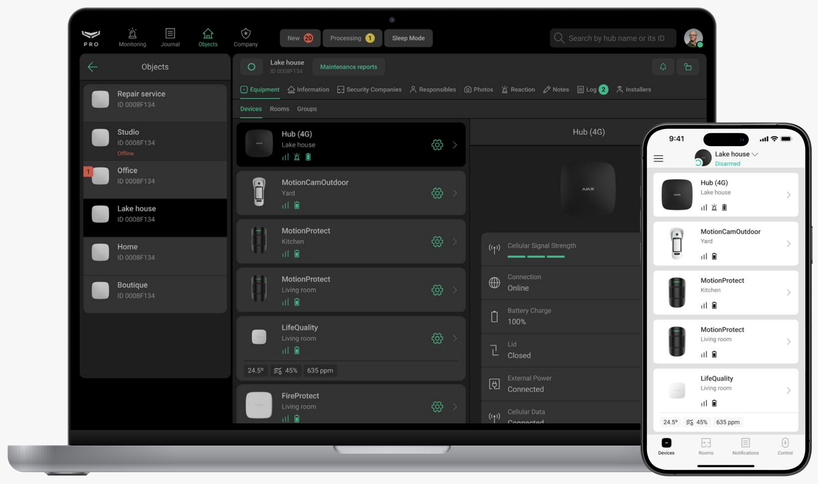
Up to 2,000 m of radio communication in an open space

Encrypted two-way radio communication

Notifications about jamming and connection loss

Always connected

The Ajax Cloud server boasts a 99.99% availability rate to maintain a constant connection between the hub, Ajax apps and CMS. The internet is all you need to configure the hub and monitor security system's information. It is easy to do it remotely, with no on-site visits.



Built-in backup battery ensures up to **15 hours** of autonomous operation

Detecting lost connection with devices in **36 seconds**

Detecting lost connection with Ajax Cloud in **1 minute**

Tamper alarm and frequency hopping

Superior, **Fibra**, and **Baseline** product lines are mutually compatible. This opens up numerous possibilities for building systems of any configuration.

Compliance with standards

EN 50131 (Grade 2)
PD 6662:2017
NIST (AES-128)

Communication with Ajax devices

Jeweller communication technology

Frequency bands
866.0–866.5 MHz
868.0–868.6 MHz
868.7–869.2 MHz
905.0–926.5 MHz
915.85–926.5 MHz
921.0–922.0 MHz
Depends on the sales region

Communication range
up to 2,000 m
In an open space

Communication channels

Ethernet
8P8C slot
Up to 100 Mb/s

Cellular network
1 slot for micro SIM
4G/LTE (FDD B1/B3/B5/B8/B20)

Features

100 wireless Ajax devices (including 1 range extender and up to 10 sirens)
50 users
200 cameras (connected to Ajax NVRs)
14 Ajax NVRs
5 automation scenarios
9 security groups

Power supply

Main
100–240 V~, 50/60 Hz

Backup
Li-Ion battery with 3 Ah capacity
Up to 15 hours of autonomous operation

Enclosure

Color
white
black

Dimensions
163 × 163 × 36 mm

Weight
360 g

Installation

Operating temperature range
from −10 °C to +40 °C

Operating humidity
up to 75%

Complete set

Hub (4G) Jeweller
Power cable
Ethernet cable
SIM card
Depends on the sales region
Installation kit
Quick start guide

For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/hub/

support@ajax.systems
@AjaxSystemsSupport_Bot
ajax.systems