

Capacity

Ajax devices

up to 100

Specifically, up to 10 sirens or keypads with a built-in siren and up to 5 range extenders.

Ajax NVRs

up to 36

Ajax cameras

up to 224 via Ajax NVRs and up to 492 standalone

Third-party IP cameras

up to 10 when using RTSP via SDK

up to 224 when using ONVIF via Ajax NVRs

Users

up to 50

- Any number of admin users within the hub limit.
 - PRO accounts for installers.
- PRO accounts for installation and monitoring companies.
 - Access management for users.

Automation scenarios

up to 32

- By alarm.
 - By schedule.
- By arming/disarming.
- By temperature, humidity, CO₂ concentration.
 - By pressing Button.
 - By touching LightSwitch.

Security groups

up to 9

Rooms

up to 50

Event log

up to 1,000 events

Events are saved on the non-volatile onboard flash memory.

Wireless communication

Jeweller communication technology

Proprietary wireless communication technology to transmit commands, alarms, and events.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
 - Instant notifications.
- Remote control and configuration in Ajax apps.

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.

Maximum effective radiated power (ERP)

up to 25 mW

Automatic power control to reduce power consumption and radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 2,000 m

up to 6,500 ft

Between a hub and connected devices (in an open space). The maximum range depends on the connected device.

Polling interval

from 12 s to 300 s

Adjusted by a PRO or user with admin rights in Ajax apps.

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Wings communication technology

Proprietary wireless communication technology to transmit photos.

Key features:

- Two-way communication.
- Advanced anti-sabotage.
- Block encryption featuring a dynamic key.
- Data packages reload in case of transmission errors.
 - Photo delivery check.

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.

Maximum effective radiated power (ERP)

up to 25 mW

Automatic power control to reduce power consumption and radio interference.

Radio communication range

up to 2,000 m

up to 6,500 ft

Between a hub and connected devices (in an open space). The maximum range depends on the connected device.

Encrypted communication

All stored and transmitted data are protected by block encryption featuring a dynamic key.

Frequency hopping

To prevent radio interference and jamming.

Recommendations	<p>Hub BP Jeweller is designed for indoor use only.</p>
Communication channels	<p style="text-align: center;">Cellular 2 × micro SIM slot</p> <p style="text-align: center;">Cellular bands 2G GSM900/DCS1800 (B3/B8) 3G WCDMA 850/900/2100 (B1/B5/B8) 4G (LTE) FDD B1/B3/B5/B7/B8/B20</p> <p style="text-align: center;">Automatic switching between communication channels between SIM cards – up to 4 minutes</p> <p style="text-align: center;">Communication channels prioritization 1. Micro SIM slot 1 2. Micro SIM slot 2</p> <p style="text-align: center;">Auto APN The APN auto select feature allows setting access point automatically based on the installed SIM card.</p> <p style="text-align: center;">External antenna connectors Jeweller Wings 4G (LTE) The system will notify of the damaged antenna. Ajax ExternalAntenna is sold separately.</p> <p style="text-align: center;">Alarm transmission system categories SP5</p> <p style="text-align: center;">Control panel operation method pass-through</p> <p style="text-align: center;">Signaling security S2 Substitution security.</p> <p style="text-align: center;">Information security I2</p>

<p>Notification s</p>	<p>Notification types</p> <ul style="list-style-type: none"> ● Push notifications <ul style="list-style-type: none"> ● SMS ● Calls <p>Event types</p> <ul style="list-style-type: none"> ● Alarms ● Malfunctions ● Security state change <ul style="list-style-type: none"> ● System events ● Non-security alerts ● Automation devices <p>Notification types are configured individually for each user. Notifications can be customized for A–D schemes according to EN 50131 requirements.</p>
<p>Photo verification</p>	<p>Photo verification types</p> <ul style="list-style-type: none"> ● Photo by alarm ● Photo by scenario ● Photo on demand ● Photo by schedule <p>The Photo by Schedule feature is available for hubs with OS Malevich 2.19 firmware version or later.</p> <p>Photo delivery time up to 9 s By default.</p> <p>Photo resolution up to 640 × 480 pixels Depends on the detector.</p> <p>Number of photos in a series from 1 to 5 pictures</p>
<p>Monitoring</p>	<p>Supported protocols</p> <ul style="list-style-type: none"> ● SIA DC-09 (SIA-DCS) ● SurGard (Contact ID) <ul style="list-style-type: none"> ● ADEMCO 685 ● Other proprietary protocols <p>Event types</p> <ul style="list-style-type: none"> ● System alarms and events ● Panic button coordinates <ul style="list-style-type: none"> ● Photo verification

<p>Power supply</p>	<p style="text-align: center;">External 4.2–16 V_{DC}, up to 2 A Zinc-air battery or external power source.</p> <p style="text-align: center;">Internal 4.2–16 V_{DC}, up to 2 A Rechargeable lead-acid and LiFePO₄ batteries (not included). Non-rechargeable LTC batteries (not included).</p> <p style="text-align: center;">Device operating DC voltage range 3.5–16 V_{DC}</p>
<p>Autonomous operation</p>	<p style="text-align: center;">On external battery in full function mode up to 18 months On a 12 V_{DC}, 600 Ah, zinc-air non-rechargeable external battery (not included).</p> <p style="text-align: center;">On external battery in Battery saving mode more than 5 years On a 12 V_{DC}, 600 Ah, zinc-air non-rechargeable external battery (not included).</p> <p style="text-align: center;">On internal battery in a Battery saving mode up to 17 months On a 7.2 V_{DC}, 95 Ah, LTC non-rechargeable Internal battery NB (7.2V/95Ah) (not included).</p> <p style="text-align: center;">up to 4 months On a 6.4 V_{DC}, 27 Ah, LiFePO₄ rechargeable Internal battery RB (6.4V/27Ah) (not included).</p> <p style="text-align: center;">up to 2 months On a 12 V_{DC}, 7 Ah, lead-acid rechargeable internal battery (not included).</p>

<p>Sabotage protection</p>	<p style="text-align: center;">Tamper alarm</p> <p style="text-align: center;">Notifications on attempts to detach the device from the surface or remove it from the mounting panel.</p> <p style="text-align: center;">Protection against spoofing</p> <p style="text-align: center;">device authentication</p> <p style="text-align: center;">Frequency hopping</p> <p style="text-align: center;">The hub sends notifications to all users and the security company of jamming or losing connection with the devices.</p> <p style="text-align: center;">Jamming alert</p> <p style="text-align: center;">Hub BP Jeweller analyzes the channel's noise level and the quality of communication with added devices and sends an alert in 30 seconds.</p>
<p>Enclosure</p>	<p style="text-align: center;">Dimensions</p> <p style="text-align: center;">196 × 238 × 100 mm 7.72" × 9.37" × 3.94"</p> <p style="text-align: center;">Weight</p> <p style="text-align: center;">1,010 g 35.63 oz</p> <p style="text-align: center;">Operating temperature range</p> <p style="text-align: center;">from -10 °C to +40 °C from 14 °F to 104 °F</p> <p style="text-align: center;">Operating humidity</p> <p style="text-align: center;">up to 75%</p> <p style="text-align: center;">Protection class</p> <p style="text-align: center;">IP40</p>
<p>Colors</p>	<p style="text-align: center;">Black</p> <p style="text-align: center;">White</p>
<p>Complete set</p>	<p style="text-align: center;">Hub BP Jeweller Casing Installation kit Quick start guide</p>
<p>Warranty</p>	<p style="text-align: center;">24 months</p>