



Baseline product line

## Hub 2 (4G) Jeweller

Security system control panel with 3 communication channels: Ethernet and 2 SIM cards (4G). Supports photo verification provided by detectors of the MotionCam series.



Free over-the-air software updates



Integration with third-party CCTV cameras or DVRs



Connection to CMS



Informing users with push notifications, calls, and SMS

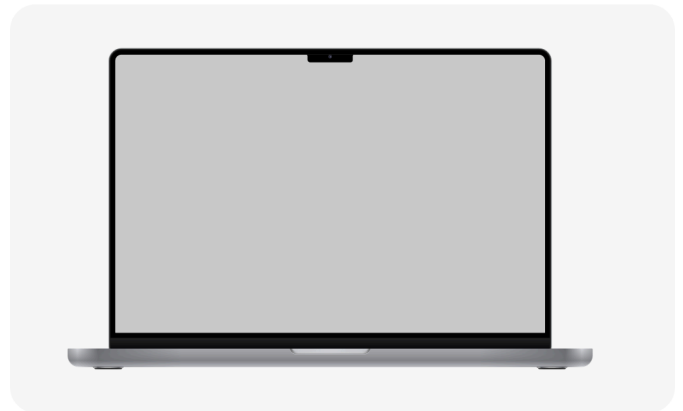
## Always online

To guarantee timely alarm transmission to the security company and users, Hub 2 supports connection to three Internet providers simultaneously: via Ethernet and two 4G SIM cards. Communication channels operate in parallel, and automatic switching between them takes seconds.

## In-app control and configuration

Hub is connected to Ajax apps, security companies, and users via a secure channel through the Ajax Cloud server located in several AWS data centres. Server availability is 99.99%.

Intuitive Ajax apps provide remote configuration and all information about system devices from anywhere the Internet is available, on a smartphone or PC. An installer can remotely change the settings and provide services in time — no need to visit the object.



## Guaranteed delivery of alarms and photos

An Ajax system uses two-way secure radio communication based on Jeweller and Wings proprietary protocols. Radio protocols work in parallel and focus on their function, guaranteeing instant data delivery despite weak signal and communication interruptions.



Encrypted two-way radio communication



Automatic power adjustment of radio transmitters



Frequency hopping against radio interference and signal interception



Notifications about jamming and connection loss

# Jeweller

Jeweller transmits alarms, events, and all readings

- Up to 2,000 m of radio communication in an open space
- Encryption and device authentication to prevent spoofing
- Regular polling to display current devices' statuses

# Wings

Wings transmits photos and large data packages

- Up to 1,700 m of radio communication in an open space
- Unique uploading algorithm and data delivery confirmation
- Data backup and resend in case of transmission interruptions

## Sabotage-resistant



Built-in backup battery giving up to 16 hours of autonomous operation



Detecting loss of connection with devices in 36 seconds



Detecting loss of connection with Ajax Cloud in 1 minute



Tamper alarm

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

<p><b>Compliance with standards</b>                  EN 50131 (Grade 2)                  PD 6662:2017                  NIST (AES-128)                  SIA CP-01                  UL985, UL1023, UL2610                  ULC S545, ULC S304</p>	<p><b>Communication with Ajax devices</b></p> <p>Jeweller communication technology</p> <p>Wings communication technology</p> <p>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</p> <p>Jeweller communication range                  up to 2,000 m                  In an open space</p> <p>Wings communication range                  up to 1,700 m                  In an open space</p>	<p><b>External communication channels</b></p> <p>Ethernet                  8P8C slot                  Up to 100 Mb/s</p> <p>Cellular network                  2 slots for micro-SIM</p> <p>2G                  (GSM900/DCS1800 (B3/B8))</p> <p>3G                  (WCDMA 850/900/2100 (B1/B5/B8))</p> <p>4G/LTE                  (FDD B1/B3/B5/B7/B8/B20)</p>	<p><b>Features</b></p> <p>50 users                  50 rooms                  32 automation scenarios                  25 cameras or DVRs                  9 security groups</p>
<p><b>Power supply</b></p> <p>Main power supply                  100–240 V~, 50/60 Hz</p> <p>Backup power supply                  built-in Li-Ion battery, 2 A · h                  Up to 16 hours of autonomous operation</p>	<p><b>Installation</b></p> <p>Operating temperature range                  from –10°C to +40°C</p> <p>Operating humidity                  up to 75%</p> <p>Protection class                  IP20</p>	<p><b>Enclosure</b></p> <p>Color black, white</p> <p>Dimensions                  163 × 163 × 36 mm</p> <p>Weight                  362 g</p>	<p><b>Complete set</b></p> <p>Hub 2 (4G) Jeweller                  Power cable                  Ethernet cable                  SIM card                  Depends on the sales region                  Installation kit                  Quick start guide</p>



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

[ajax.systems/support/devices/hub-2-4g](http://ajax.systems/support/devices/hub-2-4g)

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