



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.



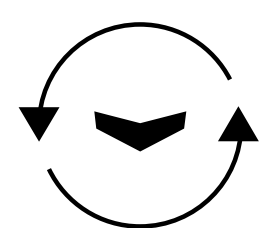
2
GRADE
EN 50131

PD 6662
2017

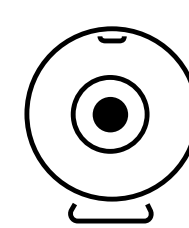
NIST
AES-128
Approved

SIA
CP-01

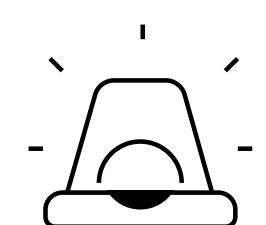
UL®
LISTED



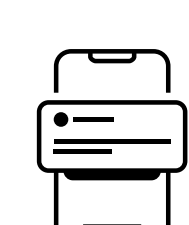
Free over-the-air software updates



Integration with third-party CCTV cameras or DVRs



Connection to CMS



Informing users with push notifications, calls, and SMS

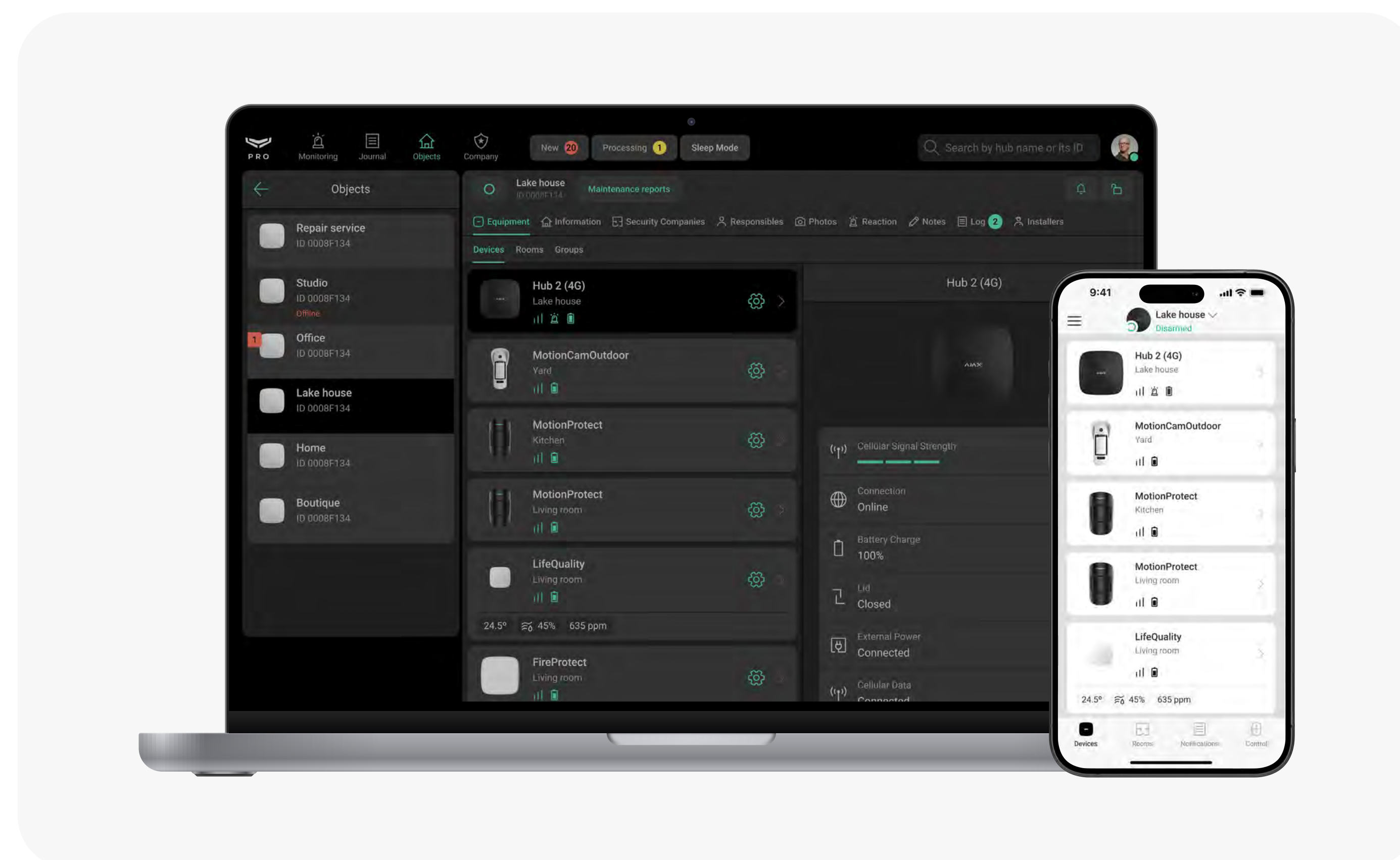
Always online

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

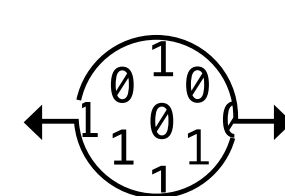
Hub is connected to Ajax apps, security companies, and users via a secure channel through the Ajax Cloud server located in several AWS data centres. Server availability is 99.99%.

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.

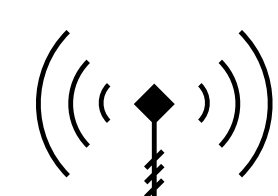


Guaranteed delivery of alarms and photos

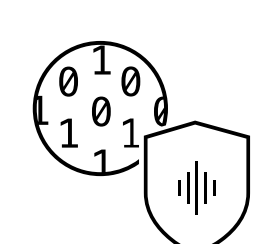
An Ajax system uses two-way secure radio communication based on Jeweller and Wings proprietary protocols. Radio protocols work in parallel and focus on their function, guaranteeing instant data delivery despite weak signal and communication interruptions.



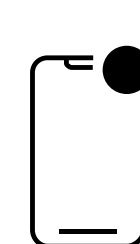
Encrypted two-way radio communication



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

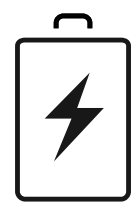
- Up to 2,000 m of radio communication in an open space
- Encryption and device authentication to prevent spoofing
- Regular polling to display current devices' statuses

 Wings

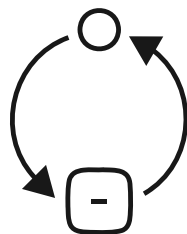
Wings transmits photos and large data packages

- 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



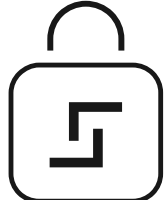
Built-in backup battery giving up to 16 hours of autonomous operation



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.

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

-  support@ajax.systems
-  @AjaxSystemsSupport_Bot
-  ajax.systems