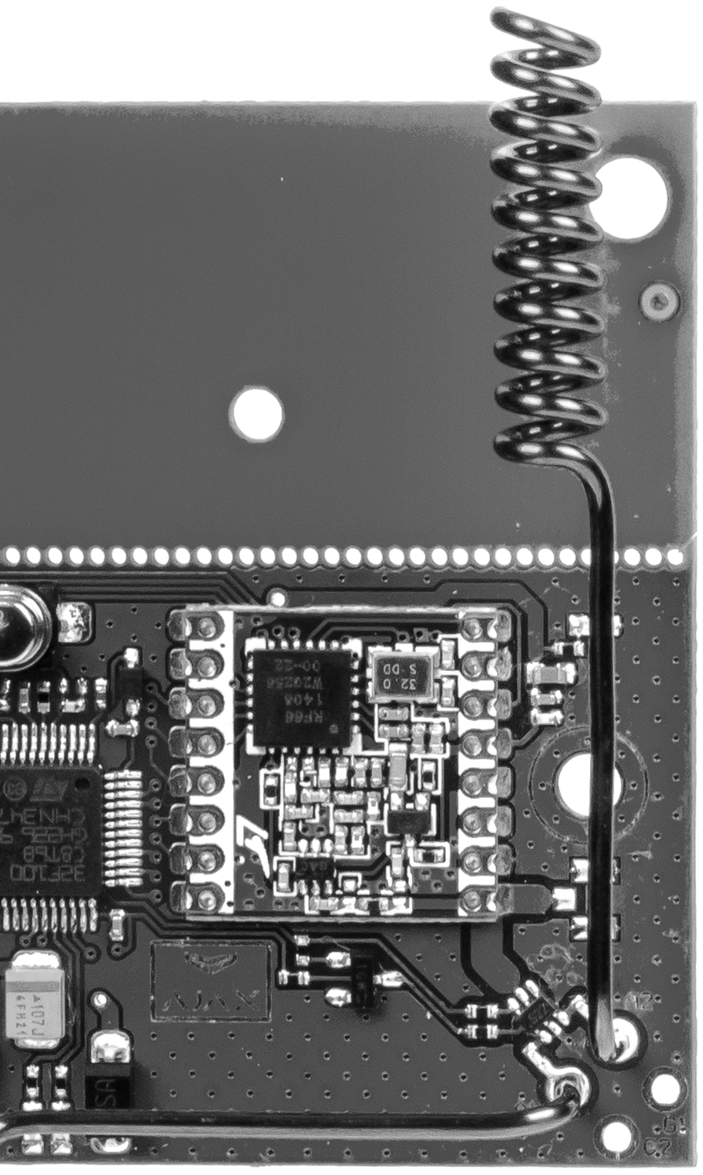

Ajax uartBridge

A module for integration of Ajax detectors into outside security systems and smart home systems of other manufacturers

A wireless network of smart and secure Ajax detectors can be added to the outside security system or smart home system through a UART interface.

Enhanced performance

- Jeweller wireless technology allows for expanding the network of detectors at the distance of up to 2,000 meters of open space or on the several floors of a business center
- The system capacity is up to 85 detectors

Protection from failures and sabotage

- Authentication of the device to protect from fraud
- Systems of identification and prevention of jamming
- Communication through encrypted channels

Smooth operation

- The detectors are customized through a radio channel
- Response from detectors is checked every 12-300 seconds (adjustable)
- Information for each device: alarms, battery level, the state of sensors etc

Simple professional-level installation

- Connection through UART interface

Tech specs

- Communication interface with central unit: UART (speed 57,600 Bd)
- Use: Indoor
- Radio signal power: 25 mW
- Communication protocol: Jeweller (868 or 915 MHz depending on the country of distribution)
- Maximum distance between a wireless detector and uartBridge receiver: 2000 m (6552 ft) (in open area)
- Maximum number of connected devices: 85
- Detection of jamming: Yes
- Software update: Yes
- Detector performance monitoring: Yes
- Power supply voltage: DC 5 V (from the UART interface)
- Operating temperature range: From -20°C (-4°F) to +50°C (+140°F)
- Operating humidity: Up to 90%
- Dimensions: 64x55x13 mm (2.51x2.16x0.51 in) (without antennas); 110x58x13 mm (4.33x2.28x0.51 in) (with antennas)