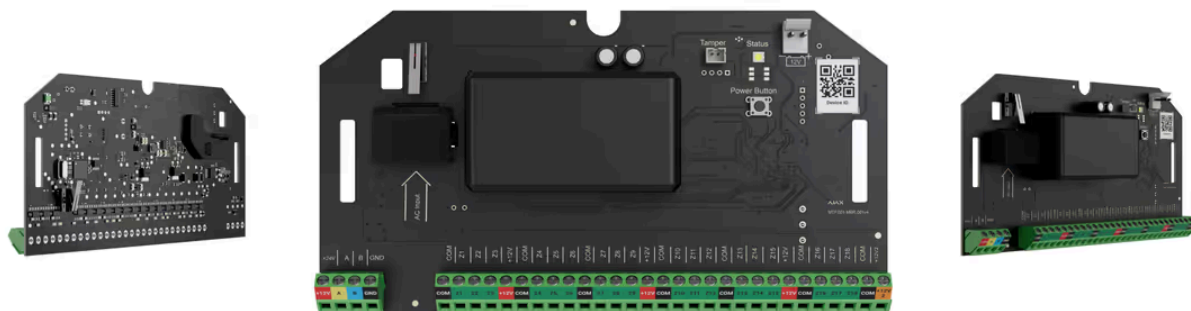


### Tech specs

**SUPERIOR**

# Superior MultiTransmitter Fibra (without casing)

Wired module to integrate up to 18 third-party devices into an Ajax system



Device compatibility

Check

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## Communication



## ◆ Fibra communication technology

Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.

Key features:

- Two-way communication.
- Advanced sabotage protection.
- Instant notifications.
- Remote control and configuration via Ajax apps.

[Learn more >](#)

## Line connection

4-core cable

## Fibra line length

up to 2,000 m

When the U/UTP cat.5 twisted pair cable is used.

[Calculate line length at the facility >](#)

## Encrypted communication

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

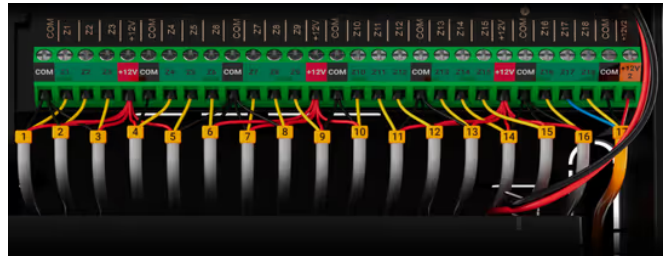
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## Wired devices connection

## Number of zones

18 wired zones

Multiple devices can be connected to one zone. The number of connected devices depends on their power consumption.



## Type of connection

NC, NO, EOL, 2EOL, 3EOL

With EOL resistance from 1 k $\Omega$  to 30 k $\Omega$  with 100  $\Omega$  increment.

## Cable length

up to 400 m

When a copper signal cable with a 0.22 mm<sup>2</sup> cross-sectional area of the conductor is used.

## Operation mode

pulse, bistable

## Event types

15 event types for are available:

- Tamper alarm
- Intrusion
- Fire
- Auxiliary alarm
- Panic button
- Gas alarm
- Malfunction

- Leakage
- Glass break
- High temperature
- Low temperature
- Masking
- Duress code (opening)
- Vibration (seismic sensor)
- Custom

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

## Recommendations

The device is powered by 100–240 V~ mains and designed for indoor use only.

It could be installed in Case D, which is sold separately.

[How to install devices in Case](#) >

[Case configurator](#) >

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## Sabotage protection

## Tamper alarm

Connector for attaching the tamper board. It detects the opening of Case lid and notifies of attempts to detach Case with the integration module installed from the surface.

[Learn more >](#)

## Protection against forgery

Device authentication

## Communication loss detection

within 36 seconds

Between hub and Superior MultiTransmitter Fibra (without casing).

## Instant detection of wired connection loss, short circuits and malfunctions

when 2EOL/3EOL connection is used

Depends on the connection type.

---

## Power supply

### Main

100–240 V~

### Backup

12 V=, up to 7 Ah capacity with a full charge cycle of up to 30 hours

## Type

## type A

Used inside the protected premises.

### Operating AC voltage range

100–240 V~, 50/60 Hz

Main power supply.

### Operating DC voltage range

10.5–15 V=

Backup power supply.

### Quiescent current consumption at nominal voltage

25 mA<sup>1</sup>

### Maximum current consumption at nominal voltage

30 mA<sup>1</sup>

<sup>1</sup> From the backup rechargeable battery after the loss of the main power supply.

### Backup rechargeable battery capacity

up to 7 Ah with a full charge cycle of up to 30 hours<sup>2</sup>

When a 4 Ah rechargeable battery is used, the minimum operating time at a maximum load of 1.7 A is 2 hours. For autonomous operation for 12 or 24 hours, the maximum load should not exceed 0.3 A and 0.15 A, respectively.

When a 7 Ah rechargeable battery is used, the minimum operating time at a maximum load of 1.7 A is 4 hours. For autonomous operation for 12 or 24 hours, the maximum load should not exceed 0.4 A and 0.2 A, respectively.

<sup>2</sup> It is the maximum time to recharge a 7 Ah battery to 80% of its capacity.

## Power supply of connected wired devices

10.5–15 V<sub>DC</sub>, up to 1 A (total maximum current consumption)

Three power supply lines from Superior MultiTransmitter Fibra (without casing).

## Power supply of connected fire detectors

10.5–15 V<sub>DC</sub>, up to 0.4 A

One power supply line from Superior MultiTransmitter Fibra (without casing).

## Low battery voltage

11.6 V<sub>DC</sub>

## Low battery recovery voltage

12.9 V<sub>DC</sub>

## End-of-life battery voltage

11 V<sub>DC</sub>

## Maximum output peak-to-peak ripple voltage

200 mV<sub>DC</sub>

## Minimum backup rechargeable battery energy level in the charged state

100%

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## Board

## Dimensions

185 × 99 × 38 mm

## Weight

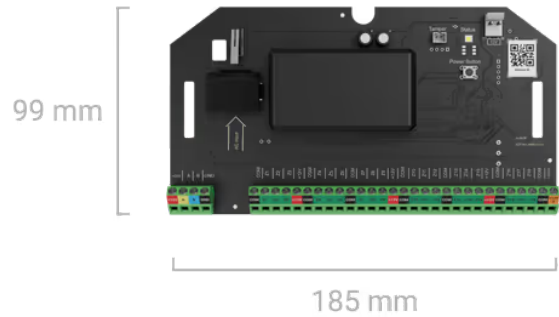
221 g

## Operating temperature range

from -10 °C to +40 °C

## Operating humidity

up to 75%



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## Complete set

 Superior MultiTransmitter Fibra

More 

Superior MultiTransmitter Fibra (without casing)

Power cable

Screw terminal block adapter (for INCERT compliance only)

12 V battery connection cable

Quick start guide

## Certification and compliance with standards





## Superior MultiTransmitter Fibra (without casing)



### EU Declaration of Conformity

#### **Compliance with the security alarm standards**

Certificate issued by TREZOR TEST s.r.o.

EN 50131-1:2006 / A1:2009 / A2:2017/ A3:2020

EN 50131-3:2009

EN 50131-6:2017/A1:2021

PD 6662:2017\*

#### **Security Grade (SG)**

Certificate issued by TREZOR TEST s.r.o.

3

#### **Restriction of Hazardous Substances Directive (RoHS)**

Test report issued by Shenzhen NTEK Testing Technology Co.

EN IEC 63000:2018

#### **Electromagnetic Compatibility Directive (EMC)**

Certificate issued by MiCOM Labs

EN 55032:2015+A1:2020

EN IEC 61000-3-2:2019+A2:2024

EN 61000-3-3:2013+A2:2021

EN 55035:2017+A11:2020

#### **Low Voltage Directive (LVD)**

Test report issued by Shenzhen NTEK Testing Technology Co.

EN IEC 62368-1:2024+A11:2024

## Environmental class according to EN 50131

Certificate issued by TREZOR TEST s.r.o.

II

## Additional information

### Compliance with standards

[Learn more >](#)

### User manual

[Learn more >](#)

### Warranty

24 months

[Learn more >](#)

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Subscribe to our emails about secure life. No spam.

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### Request extra help

 [support@ajax.systems](mailto:support@ajax.systems)

 [@AjaxSystemsSupport\\_Bot](#)

 [Send a request](#)



Rating 4.8

4,500,000

people worldwide under Ajax protection

Suggest a feature



## Products

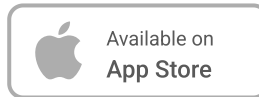
- Intrusion protection
- Video surveillance
- Fire and life safety
- Comfort and automation
- All products
- Services
- System integrations
- Ajax Ready products
- Fibra wired protocol
- Ajax radio protocols

## Solutions

- Customer stories
- Solutions by facility type
- Commercial fire detection and alarm system
- Wireless Grade 3 solution
- Video surveillance solution
- Integration with Yale smart locks
- Upgrades and retrofits
- Why Ajax
- How it works

## Software

- Ajax Security System
- Ajax PRO: Tool for Engineers
- Ajax Desktop
- Ajax PRO Desktop
- Ajax TV
- Ajax Translator PRO
- Ajax Cloud Signaling
- Scenarios



## Support

- Manuals and articles
- Compliance with standards

## Tools

- Ajax device compatibility
- CMS software compatibility
- Ajax Services availability
- Video storage calculator
- Video device calculator
- Battery life calculator
- Radio communication range calculator
- Switches and outlets configurator

[Fibra power supply calculator](#)

[All web tools](#)

## Monitoring solutions and integrations

[Intrusion alarm monitoring](#)

[Video monitoring and visual alarm verification](#)

[Audio alarm verification](#)

## Company

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[Events](#)

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[Reviews and feedback](#)

## For partners

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[Ajax Academy](#)

[Partner Portal](#)

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