



Products ▾

Assemble kit

 Superior MultiTransmitter Fibra

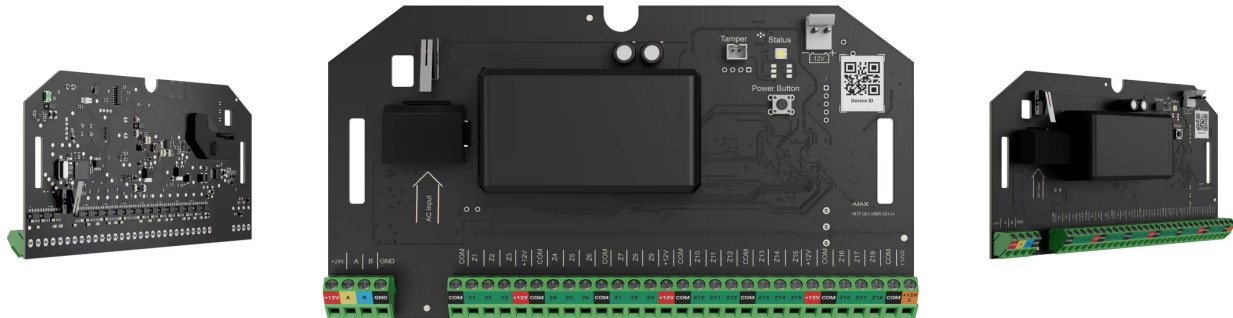
More ▾

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

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

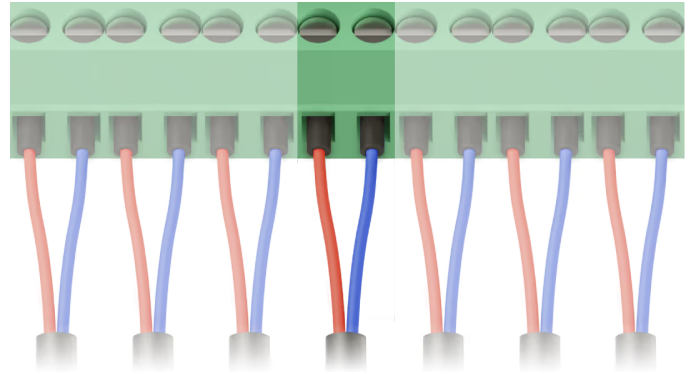
All stored and transmitted data are protected by block encryption featuring a dynamic key.

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 Ω to 30 k Ω with 100 Ω increment.

Cable length

up to 400 m

When a copper signal cable with a 0.22 mm² 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 

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 mA¹

Maximum current consumption at nominal voltage

30 mA¹

¹ 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 hours²

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.

² 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_{DC}, 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_{DC}, up to 0.4 A

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

Low battery voltage

11.6 V_{DC}

Low battery recovery voltage

12.9 V_{DC}

End-of-life battery voltage

11 V_{DC}

Maximum output peak-to-peak ripple battery voltage

200 mV_{DC}

Minimum backup rechargeable battery energy level in the charged state

100%

Board

Dimensions

185 × 99 × 38 mm

Weight

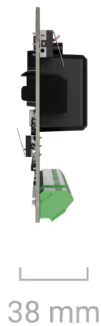
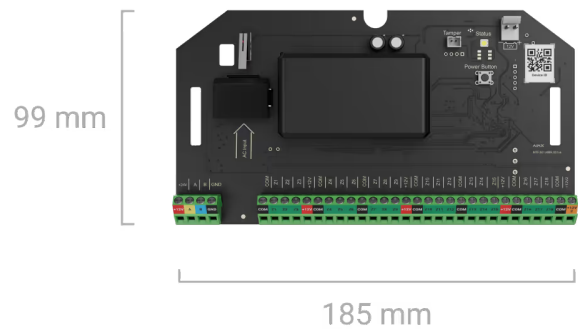
221 g

Operating temperature range

from -10 °C to +40 °C

Operating humidity

up to 75%



Complete set

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)



Additional information

Compliance with standards

Learn more >

User manual

Learn more >

Warranty

24 months

Learn more >

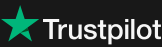
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Request extra help

- support@ajax.systems
- @AjaxSystemsSupport_Bot
- Send a request



Rating 4.7

4,000,000
people worldwide under Ajax protection

Suggest a feature

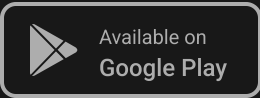
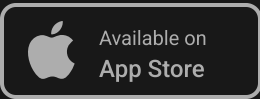


Products

- 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

Software

- For users
- Ajax PRO: Tool for Engineers
- Ajax Desktop
- Ajax PRO Desktop
- Ajax Translator PRO
- Ajax Cloud Signaling
- Scenarios



Solutions

Support

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Upgrades and retrofits

Why Ajax

How it works

Manuals and articles

Compliance with standards

Tools

Ajax device compatibility

Video storage calculator

Video device calculator

Battery life calculator

Radio communication range calculator

Switches and outlets configurator

Fibra power supply calculator

All web tools

Connecting to CMS

Intrusion alarm monitoring

Video monitoring and visual alarm verification

Audio alarm verification

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