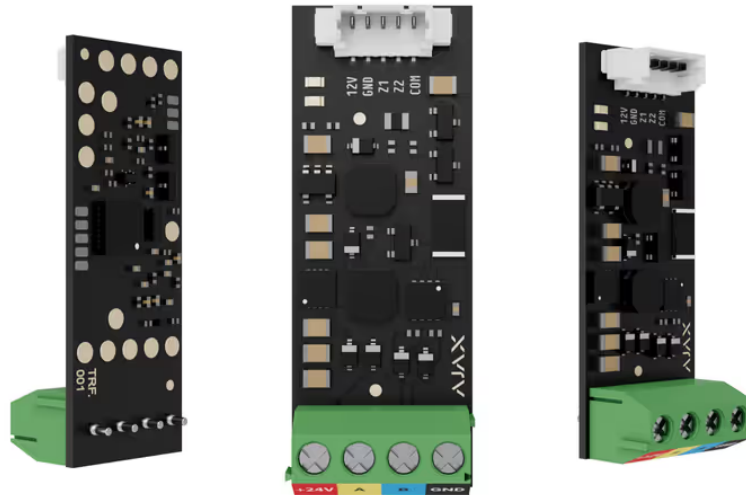


Tech specs

AJAX SUPERIOR

Superior Transmitter Fibra

Wired module to integrate one third-party device into the 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 anti-sabotage.
- Block encryption featuring a dynamic key.
- Instant notifications.
- Remote configuration in the Ajax apps.

Learn more >

Line connection

4-core cable

Connection

to any point of the Fibra line

Superior Transmitter Fibra can be installed after a hub, detector, keypad, or siren.

Fibra line length

up to 2,000 m

When using the U/UTP cat.5 twisted pair cable.

Calculate the length of the line for the object >

Encrypted communication

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

Wired devices connection

Supported configurations

- roller shutter
- tamper
- wired device with 15 event types

Connector pins

- **12V** — power supply output for a wired detector
- **GND** — ground
- **Z1–Z2** — inputs for connecting a wired detector
- **COM** — common input for connecting signal contacts of a wired detector

Superior Transmitter Fibra has 2 inputs (Z1 and Z2) to connect the wired detector using the AATT (i.e., Alarm Alarm Tamper Tamper) scheme.

Type of connection

NO, NC, EOL, 2EOL, 3EOL

With EOL total resistance from 1 k Ω to 40 k Ω with a 100 Ω increment.

Cable length

up to 3 m

When using a signal cable with a 0.22 mm² copper conductor.

Operation mode

pulse, bistable

Event types

15 event types of wired devices

- 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 the Ajax app.

Recommendations

Superior Transmitter Fibra should be installed inside the wired detector case. The module requires a space with the following minimum dimensions: 40 × 15 × 12 mm

Sabotage protection

Protection against spoofing

device authentication

Instant line damage detection

Valid for EOL, 2EOL, or 3EOL connections.

Communication loss detection

after 36 s

Between the hub and Superior Transmitter Fibra. It can be changed in the hub settings.

[Learn more](#) >

Power supply

Module's operating voltage range

7–30 V_{DC}, 185 mW (no load) / 1224 mW (with load)

The hub powers the module.

Module's nominal operating voltage

24 V_{DC}

Quiescent module's current consumption at nominal voltage

2.1 mA

Maximum module's current consumption at nominal voltage

7.7 mA (no load)

51 mA (with load)

Output to the connected wired device

10.5–15 V_{DC}, up to 50 mA (total maximum current consumption)

One power supply line from Superior Transmitter Fibra.

Board

Dimensions

40 × 15 × 12 mm



Weight

6 g



Operating temperature range

from -25 °C to +50 °C

Operating humidity

up to 75%

Electric shock protection

Class II

Complete set

Superior Transmitter Fibra

Accessory 5-pin cable

Quick start guide

Certification and compliance with standards



Superior Transmitter Fibra



Additional information

Compliance with standards

Learn more >

User manual

Learn more >

Warranty

24 months

Learn more >

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Ask a question



Rating 4.8

4,500,000

people worldwide under Ajax protection

🔗 Suggest a feature



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Video surveillance

Fire and life safety

Comfort and automation

All products

Services

System integrations

Ajax Ready products

Fibra wired protocol

Ajax radio protocols

Software

Ajax Security System

Ajax PRO: Tool for Engineers

Ajax Desktop

Ajax PRO Desktop

Ajax Response

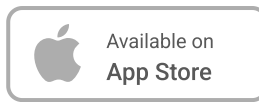
Ajax TV

Ajax Translator PRO

Ajax Cloud Signaling

Ajax Media Player

Scenarios



Solutions

Customer stories

Solutions by facility type

Commercial fire detection and alarm system

Wireless Grade 3 solution

Wired Grade 3 solution

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