

# Superior MultiTransmitter IO (4X4) Fibra

Wired module with 4 inputs and 4 outputs. Designed to integrate third-party devices into an Ajax system.

This is the device of the Superior product line. Only accredited Ajax Systems partners can sell, install, and administer Superior products.

Superior MultiTransmitter IO (4X4) Fibra comes as a board compatible<sup>1</sup> with Case A (106), Case B (175), and Case D (430).



IN PROGRESS

## Security and automation powered by Ajax

Superior MultiTransmitter IO (4X4) Fibra is designed to connect and control third-party devices within the Ajax ecosystem. The module's four inputs and four outputs allow PROs to build comprehensive security solutions for projects of various complexity and upgrade outdated alarm setups. The inputs support all the most widespread connection types, as well as both pulse and bistable devices. With two logical and two relay outputs, the system can be complemented with bolt locks, blocking elements, sirens, and other devices.

**Four inputs**  
for receiving alarms from third-party devices

**Four outputs**  
for controlling power supply to third-party devices

## Control and configuration in Ajax apps

Superior MultiTransmitter IO (4X4) Fibra allows users to manage their Ajax system with connected third-party devices, receive informative notifications, and use automation scenarios via Ajax apps. Security companies, in turn, stay informed of the current system state and configure the connected devices remotely via Ajax PRO apps, which eliminates the need for on-site visits.

## Maximum compatibility

- Support for NC, NO, EOL, 2EOL, and 3EOL connection types
- Dedicated modes for roller shutters and support for KeyArm Zone
- Two logical and two relay outputs to control bolt locks, blocking elements, sirens, etc.
- Designed to configure door-locking systems in accordance with the unavoidability principle (German: Zwangsläufigkeit)
- Option to set the default state of contacts with EOL resistors as normally open or normally closed
- Over 10 available event types for each input
- 12 V $\overline{=}$ , up to 500 mA power supply for connected devices



## Sabotage protection

- Tamper alarm<sup>2</sup> to detect attempts to open the lid and detach the device
- Superior MultiTransmitter IO (4X4) Fibra authentication to prevent spoofing
- Protection against third-party device spoofing thanks to EOL connection support
- Protection against short circuits



## Fibra communication technology

- Up to 2,000 m (6,550 ft) of wired communication with a hub or a module that extends the Fibra line
- Data encryption throughout the transmission between Superior MultiTransmitter IO (4X4) Fibra and an Ajax hub
- Regular polling to display the current status of Superior MultiTransmitter IO (4X4) Fibra
- Power consumption from the Fibra line of up to 7.5 W



## Quick installation and setup

- Pairing with a hub via automatic line scanning or QR code
- Remote control and configuration via Ajax apps
- Versatile setup options: compatibility<sup>1</sup> with Case A (106), Case B (175), and Case D (430)
- EOL resistor scanning for time-efficient installation

<p><b>Compliance with standards</b></p> <p>EN 50131 (Grade 3) PD 6662:2017 INCERT SSF – in progress</p>	<p><b>Compatibility with hubs</b></p>  <p>For detailed information, scan the QR code or follow the link: <a href="https://ajax.systems/tools/devices-compatibility/?models=MTR.IO.F">ajax.systems/tools/devices-compatibility/?models=MTR.IO.F</a></p>	<p><b>Communication with a hub</b></p> <p>Fibra communication technology</p> <p><b>Wired connection</b> U/UTP cat.5 4×2×0.51 mm (24 AWG), copper conductor</p> <p>4×0.22 mm<sup>2</sup> signal cable, copper conductor</p> <p><b>Communication range</b> up to 2,000 m up to 6,550 ft With U/UTP cat.5 4×2×0.51 mm (24 AWG) cable</p>	<p><b>Features</b></p> <p><b>Number of inputs</b> 4</p> <p><b>Connection types</b> NC, NO, EOL, 2EOL, 3EOL</p> <p><b>Number of outputs</b> 4 2 relay and 2 logical outputs</p> <p><b>Cable length<sup>3</sup> between devices and Superior MultiTransmitter IO (4X4) Fibra</b> 400 m 1,300 ft</p>
<p><b>Installation</b></p> <p><b>Operating temperature range</b> from -10 °C to +40 °C from 14 °F to 104 °F</p> <p><b>Operating humidity</b> up to 75%</p>	<p><b>Power supply</b></p> <p><b>Fibra line</b> 12–28 V<sup>==</sup>, up to 330 mA at a nominal voltage of 24 V<sup>==</sup></p> <p><b>Power supply for connected wired devices</b> 12 V<sup>==</sup>, up to 500 mA</p>	<p><b>Board</b></p> <p><b>Dimensions</b> 93 × 55 × 27 mm 3.66" × 2.17" × 1.06"</p> <p><b>Weight</b> 44.9 g 1.58 oz</p> <p><b>Connector for an Ajax Case tamper board</b></p>	<p><b>Complete set</b></p> <p>Superior MultiTransmitter IO (4X4) Fibra Quick start guide</p>

<sup>1</sup> Ajax cases are sold separately.

<sup>2</sup> When Superior MultiTransmitter IO (4X4) Fibra is installed in an Ajax case.

<sup>3</sup> When using U/UTP cat.5 4×2×0.51 mm (24 AWG) cable with copper conductor and 4×0.22 mm<sup>2</sup> signal cable with copper conductor with cable resistance of 22 Ω per 100 m, without an additional power supply.



For detailed information, scan the QR code or follow the link:

[ajax.systems/support/devices/superior-multitransmitter-io-4x4-fibra/](https://ajax.systems/support/devices/superior-multitransmitter-io-4x4-fibra/)

- ✉ support@ajax.systems
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