

PRODUCT SHEET

AURA X36

AURA X36 connects signals, sensors, actuators and systems

Type:
Product sheet

Product:
AURA X36

System:
AITHANEX (management, data and operations platform)

Audience:
Customer, pre-sales, management and operations

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AURA X36 connects signals, sensors, actuators and systems.

It is aimed at deployments that need remote monitoring, site security, local logging and controlled actuation from a distributed architecture.

What it solves

In distributed installations, signals, sensors, alarms, actuators and auxiliary equipment can end up isolated or dependent on manual checks. It is also common for existing equipment, fieldbuses, legacy systems and different platforms to coexist.

AURA X36 allows the physical infrastructure to be connected to an operations platform. This makes it possible to centralize data, generate alerts, log events, act on equipment and maintain integration with existing systems without replacing all of the infrastructure.

Where it is used

- Telecom shelters and cabinets.
- Prefabricated installations and remote sites.
- Energy infrastructure.
- Technical rooms.
- Distributed industrial installations.

Main capabilities

- **Signal reading.** Makes the operational status of the site known.
- **Configurable input and output.** Integrates inputs, outputs and actuators according to the equipment design.
- **Site security.** Can monitor access, intrusion or tampering signals.
- **Authenticated intervention.** The operator identifies themselves through the app, connects locally over Bluetooth and deactivates the security in an authorized way. The app records photographic evidence of each intervention.

Operation and connectivity:

- **Local logging.** Keeps events during connectivity interruptions.
- **Multiple connectivity.** Can integrate Ethernet, Wi-Fi, 4G, RS485 or RS232 depending on configuration.
- **Field protocols.** Eases connection with existing equipment through Modbus and fieldbuses documented for the deployment.
- **Remote operation.** Allows monitoring, alerts, actuation rules and remote update when operated from **AITHANEX Things**.
- **Platform integration.** Publishes data through MQTT/HTTP to **AITHANEX** or to customer platforms.

Main advantages

- **Controlled intervention.** The operator can identify themselves locally and leave evidence of the action carried out.
- **Fewer auxiliary devices.** Inputs, outputs, communications and logging are concentrated in a single unit.
- **Compatibility with existing installations.** Integrates external signals, buses and systems without replacing all of the infrastructure.
- **Operational continuity.** Keeps events locally and synchronizes with the platform when connectivity is available.

- **Built for technical indoor environments.** The screw-closed aluminum box and IP20 protection suit technical rooms, shelters or cabinets.

References

- AITHANEX Things: <https://aitha.es/en/platform/things/>
- AITHANEX: <https://aitha.es/en/platform/>

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