

Adquio Mini

The ideal balance of
integration, flexibility
and scalability



Reference: ADQ-4MBBN-1ETH
Category: ADQUIO · CONTROLLERS

DESCRIPTION

Adquio Mini is a compact, multiprotocol controller that centralises control and integrates lighting, HVAC, energy and building systems in a single platform.

It connects devices and protocols from different manufacturers, collects real-time data, runs automation and integrates with Adquio platforms for secure, efficient local or remote control.

BENEFITS



Unlimited integration

Connect building systems in one platform: lighting, HVAC, energy and sensors, across manufacturers and protocols.



Automate and control

Run rules, scenes, schedules and advanced control logic locally, without relying on the cloud or any external service.



Uninterrupted operation

Control and automation run on the device itself. If the internet connection fails, the installation keeps operating exactly as before.



Grow with your project

Add more networked devices or controllers without redesigning the installation. Expand the architecture without replacing the core device.



Open and future-ready

Standard protocols and open APIs ensure compatibility with new systems and full integration with the Adquio ecosystem.

TYPICAL APPLICATIONS



Retail and stores

Control lighting, HVAC and energy use by store or zone. Centralised or remote management from a single platform.



Offices

Space automation, smart comfort and energy efficiency with real data by zone or floor.



Hotels

Efficient management of rooms and shared areas. Local control and remote access for maintenance teams.



Casambi + SCADA

Integrate Casambi networks with HVAC, energy metering and other systems in a unified control system.



Energy management

Continuous consumption data for efficiency, analytics and reporting. A basis for BACS/EP8D audits.



Technical facilities

Integrate different systems from multiple manufacturers in a common, scalable control architecture.



Is this product part of your project?

Contact us and we will prepare a complete technical proposal.



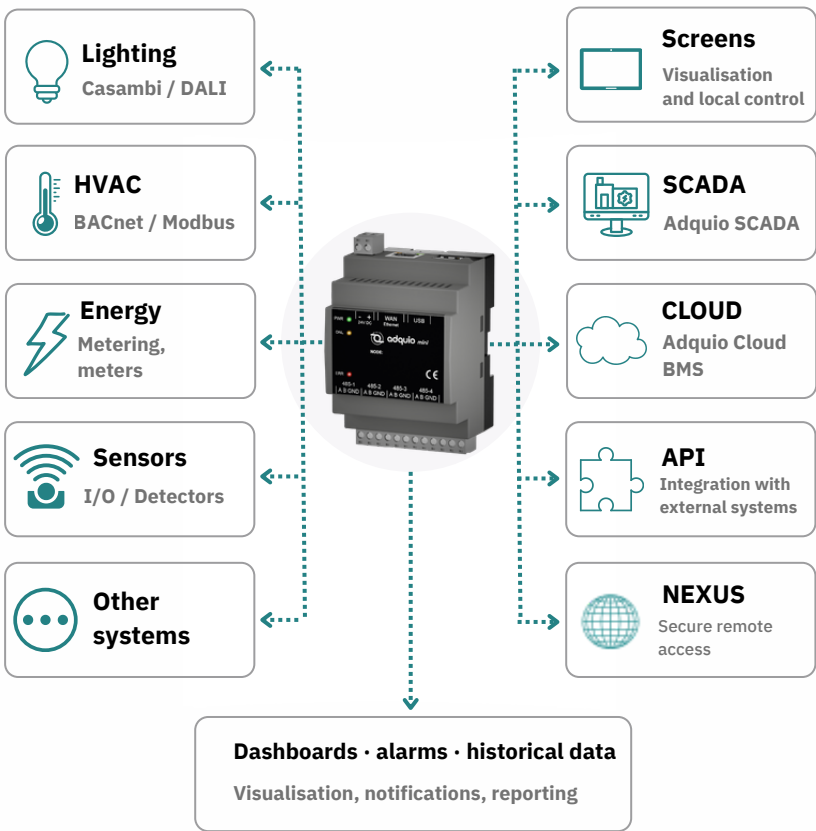
WHEN TO CHOOSE ADQUIO MINI?

Adquio Mini is recommended for small projects that need to integrate different systems and protocols while retaining scalability and advanced control capabilities.

Choose Adquio Mini when your project includes any of these scenarios:

- **Multiple protocols running simultaneously**
The project needs to connect Modbus RTU, BACnet, Casambi, MQTT or API devices to a single controller.
- **Limited cabinet space**
An ultra-compact DIN-rail format is a priority, with no room for larger equipment.
- **Medium-sized site with an existing LAN**
The project has its own router or switch and does not need the Lite's additional LAN ports.
- **Performance and cost are key**
The budget requires optimising controller cost without sacrificing multiprotocol integration capabilities.
- **Compatibility with existing Casambi systems**
The project includes Casambi lighting networks that must integrate with HVAC, energy or other systems.
- **Projects designed to scale**
The installation starts with a limited scope and will gradually expand with new devices or zones.

TYPICAL ARCHITECTURE



TECHNICAL SPECIFICATIONS

Reference	ADQ-4MBBN-1ETH
Power supply	24V DC nominal - 28V DC maximum
RS485	4 ports • 1,200 baud to 115,200 bps
Ethernet	1 WAN port, 100 Mb/s
WiFi	2.4 GHz (setup mode only if no WAN is detected)
Installation	35 mm DIN rail • electrical cabinet - IP20
Operating temp.	0°C to +60°C
Protocols	Modbus RTU (client) - Modbus TCP (client/server) - BACnet TCP BACnet MSTP - Casambi • MQTT-API REST
Expansions	Up to 120 via Modbus RTU
Certifications	CE & RoHS
Compatible with	Adquio SCADA, Adquio Cloud BMS, Adquio Analytics, Adquio Nexus



Built-in security



Easy setup



Unlimited integration



Technical support and guidance

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