

Adquio Lite

Compact control for
small installations



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

DESCRIPTION

Adquio Lite is a compact DIN-rail controller that centralises control of small and medium-sized installations, integrating lighting, HVAC, energy and building systems in a single platform, with its own Ethernet network included.

It connects devices from different manufacturers, including existing equipment, collects real-time data, runs local automation and integrates with Adquio platforms for secure management from anywhere.

BENEFITS



Built-in router

Built-in 1 WAN + 3 LAN. The installation has its own network, IP addresses and firewall, with no extra switch needed in the electrical cabinet.



Reuse existing systems

Connect existing devices from different manufacturers alongside new ones, without replacing anything. All work together, protected by the same platform.



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.



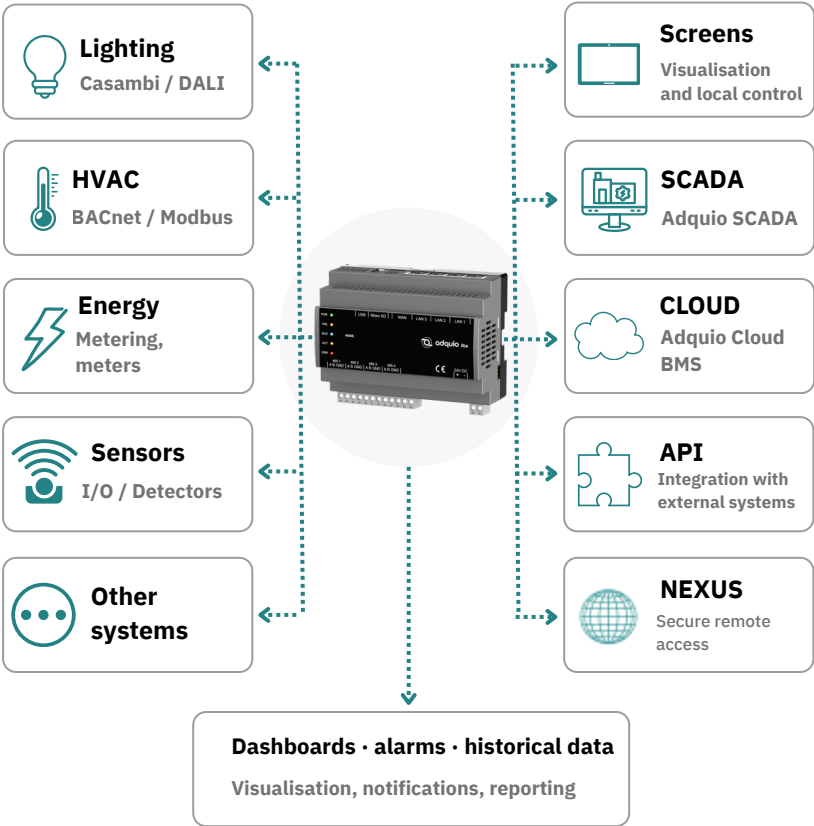
WHEN TO CHOOSE ADQUIO LITE?

Adquio Lite is recommended for medium-sized projects that need to integrate different systems and protocols while retaining scalability and advanced control capabilities.

Choose Adquio Lite 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.
- **Built-in Ethernet network with no extra equipment**
The installation has its own network and IP addresses, protected by a firewall.
- **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-4ETH
Power supply	24V DC nominal - 28V DC maximum
RS485	4 ports • 1,200 baud to 115,200 bps
Ethernet	1 WAN + 3 LAN, all 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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