

Adquio Server

Central platform for controller and SCADA systems



Reference: ADQ-SERVER Category:
ADQUIO · CONTROLLERS

DESCRIPTION

Adquio Server is the central control platform for large installations, including hospitals, corporate buildings, large hotels and industrial campuses, where the volume of systems and data requires maximum processing power.

It manages hundreds of thousands of variables locally, coordinates all building systems in one environment and supports advanced controller and SCADA architectures with interactive floor plans, extensive historical data and real-time alarm management.

BENEFITS



Virtually unlimited scale

Manage hundreds of thousands of variables in one installation, with no practical limit on devices, systems or zones.



The brain of an entire building

All control logic runs on the device itself. The installation operates autonomously even if the external connection or cloud service fails.



Uninterrupted operation

For environments where any downtime has a real cost. High availability and immediate response, 24 hours a day.



A foundation for advanced control

Full support for Adquio SCADA Server: interactive floor plans, extensive historical data, alarm management and reporting.



Multi-site architecture

Coordinate distributed installations from a central system, ideal for multiple locations.

TYPICAL APPLICATIONS



Hospitals and healthcare centres

Continuous monitoring of critical systems with large-scale, real-time data management.



Large hotels and resorts

Centralised coordination of hundreds of rooms, shared areas, catering facilities and energy systems.



Corporate buildings

Complete management of all systems, with real-time visualisation for facility management.



Industrial campuses

Large-scale control with thousands of measurement points coordinated from a single platform.



Shopping centres

Monitor lighting, HVAC, energy and security in highly complex installations.



Critical infrastructure

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.



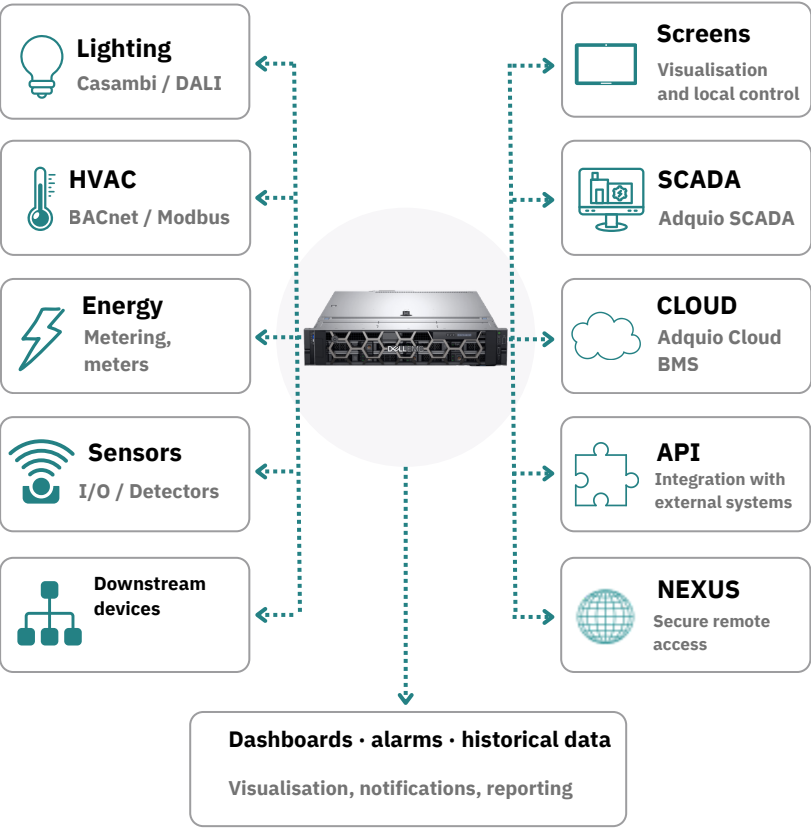
WHEN TO CHOOSE ADQUIO MICRO SERVER?

Adquio Micro Server is recommended for medium and large installations that need high processing capacity but lack the space or budget for a rack server.

Choose Adquio Server 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.
- **High concurrent processing loads**
The project manages many devices, protocols, automation routines or variables.
- **Distributed control requirements**
Adquio Server centrally coordinates all local controls across a distributed infrastructure.
- **Casambi projects with multiple networks**
Casambi lighting needs to be integrated with or controlled by SCADA systems through a single local node.
- **On-site SCADA**
The project requires Adquio SCADA Server on site, with interactive floor plans, historical data and a visual building interface.
- **Multi-site installations with a local node at each site**
One Adquio Server per site, coordinated through Adquio Cloud BMS or Adquio SCADA Cloud, with no single point of failure.

TYPICAL ARCHITECTURE



TECHNICAL SPECIFICATIONS

Reference	ADQ-SERVER
Power supply	110-240 V AC · Internal PSU
RS485	Not available
Ethernet	2, WAN + LAN, both 1 Gb/s
WiFi	No
Processor	Selected for each project
Memory	Selected for each project
Storage	Selected for each project
Operating temp.	Manufacturer-specified
Protocols	Modbus TCP (client/server) · BACnet IP · Casambi · MQTT · REST API
Expansions	Not directly supported
Certifications	CE, RoHS, UL
Compatible with	Adquio controllers, Adquio SCADA Server, Adquio Cloud BMS, Adquio Analytics, Adquio Nexus



Built-in security



Easy setup



Unlimited integration



Technical support and guidance

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