

Adquio Micro Server

Edge power for large installations and advanced monitoring



Reference: ADQ-MSIN02 Category: ADQUIO · CONTROLLERS

DESCRIPTION

Adquio Micro Server is a compact edge server offering server-grade processing power for medium and large installations, without requiring a rack cabinet or dedicated equipment room.

It manages multiple systems and protocols locally with high computing capacity, maintains autonomous operation during connectivity outages and integrates with Adquio platforms for remote monitoring and management from anywhere.

BENEFITS



Handle complex installations

Manage more devices, automation routines and simultaneous data than a standard controller. As the installation grows in complexity, it keeps pace.



Always works offline

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



Built-in Wi-Fi

Includes dual-band Wi-Fi (2.4 and 5 GHz) for initial setup or backup connectivity, with no additional network infrastructure.



No equipment room

Compact desktop (177 × 126 × 55 mm) or DIN-rail format. Install wherever space is available, without extra building work.



Ready to grow

Scale functionality and integrate new devices via the network or RS485 ports without redesigning the architecture.

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.



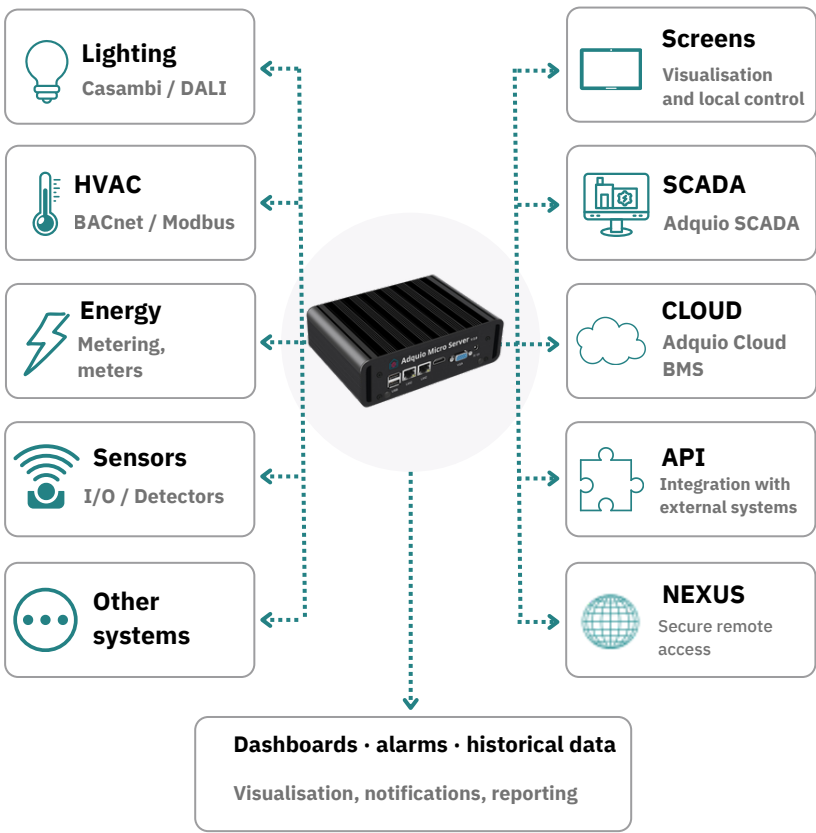
WHEN TO CHOOSE ADQUIO MICRO SERVER?

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 Micro 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.
- **No space for a rack server**
There is no equipment room or rack cabinet, but the project needs genuine server power.
- **Casambi or DALI 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 Micro Server per site, coordinated through Adquio Cloud BMS or Adquio SCADA Cloud, with no single point of failure.

TYPICAL ARCHITECTURE



TECHNICAL SPECIFICATIONS

Reference	ADQ-MSIN02
Power supply	12V DC · Power supply included
RS485	2 ports · 1,200 baud to 115,200 bps
Ethernet	2 WAN + LAN, all 1 Gb/s
WiFi	Wi-Fi 4 (802.11n) · 2.4 GHz and 5 GHz
Processor	Intel i5 5200U · 2.2 GHz (turbo 2.7 GHz) · 2 cores · 4 threads
Memory	8 Gb
Storage	250 Gb SSD NVME
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 60 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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