

## ADQUIO MICRO SERVER 2.0

Programmable controller, actuator, and datalogger



### 1 Ordering information

Reference	Description	Life cycle *
ADQ-MSIN02	Adquio mini server 2.0, Java Script programmable controller, 1 WAN, 1WAN, 6 USB, I5, 8Gb RAM, 250 Gb SDD	Active



\* For planning and commissioning of new installations, use modules in the active state only

## 2 Dimensions



## 3 Technical data

Parameter	Value
Process voltage	
Connections	Standard power jack
Nominal value	12 VDC
Maximum supported	12 VDC
Consumption	
From included 12V power supply	2,8 mA
Maximum consumption	3 A
Maximum consumption peak at start-up	3 A

**!** CAUTION!  
Exceeding the maximum power supply voltage for the process or supply voltages could cause irrecoverable damage to the system. The system could be destroyed.

**!** CAUTION!  
Improper connection cables cause overheating at the terminals. Adquio Micro Server, it can be destroyed if the wrong cable type, cable size, or cable temperature rating is used.

### 3.1 System data

Parameter	Value
<b>Processor</b>	
Model	Intel® I5 5200U
Frequency	2.2 GHz
Turbo frequency	2.7 GHz
Number of cores	2
Number of threads	4
TDP	15 W
<b>Storage</b>	
Type	SDD
Capacity	250 Gb
Connection type	M2 NVMEI
Disk type supported	STA 3 (Not Installed)
Max storage units	2
<b>Graphics</b>	

	Chipset	Intel
	Graphic adapter	Intel® HD Graphics 5500
	Max screens supported	2
	Output	HDMI and VGA
<b>Audio</b>		
	Speakers included	No
	Number of audio channels	2.1
	Connector type	Jack 3.5 mm
<b>Connections</b>		
	<b>Wifi</b>	Yes
	Standard	Wi-Fi 4 (802.11n)
	Frequency	2,4 and 5 Ghz
	Model of controller	Broadcom BCM43224 802.11a/b/g/n
	<b>Ethernet</b>	Yes
	Controller	Realtek RTL8111/8168/8211/8411 PCI Express Gigabit
	Type of port	RJ-45
	Number of ports	2
	Communication speed	1 Gb / s
	<b>USB Ports</b>	Yes
	Type of ports	USB A
	Number of ports	7
	USB 3.0	2
	USB 2.0	2
	<b>Mini USB</b>	<b>1</b>

## 4 System data

### 4.1 Environmental conditions

Parameter		Value
Temperature		
	Operation	0 ° C ... +60 ° C (horizontal mounting)
	Storage	-40 ° C ... + 70 ° C
	Transport	-40 ° C ... + 70 ° C
Humidity		Max. 95% non-condensing
Air pressure		
	Operation	> 800 hPa / <2000 m
	Storage	> 600 hPa / <3500 m
Insulation		IP20

### 4.2 Protocols

Parameter	Value
Modbus	TCP Client and server RTU as client
BACnet	TCP / MSTP
MQTT	Ethernet
Casambi	API

### 4.4 Storage

Parameter	Value
SSD internal disk M2	250Gb

### 4.5 Certifications

Parameter	Value
Health	EN 62479:2010
Safety	EN 62368-1:2014+A11:2017
EMC	ETSI EN 301489-1 V2.2.3 (2019-11) ETSI EN 301489-17 V3.2.4 (2020-09)
Radio	ETSI EN 301 893 V2.1.1 (2017-05)
RoHS	IEC 62321-3-1:2013 IEC 62321-5:2013 IEC 62321-6:2015 IEC 62321-7-1:2015 IEC 62321-4:2013+AMD1:2017 IEC 62321:2008 ANNEX C

Fridama Instalaciones S.L.  
 Rúa Ánade Real 11  
 15172 Oleiros, La Coruña  
 Spain  
 Telephone: +34 881246255  
 E-mail: [support@adquio.com](mailto:support@adquio.com)  
<https://adquio.com>

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