

DATA SHEET

ADQUIO LITE

Programmable controller, actuator and datalogger



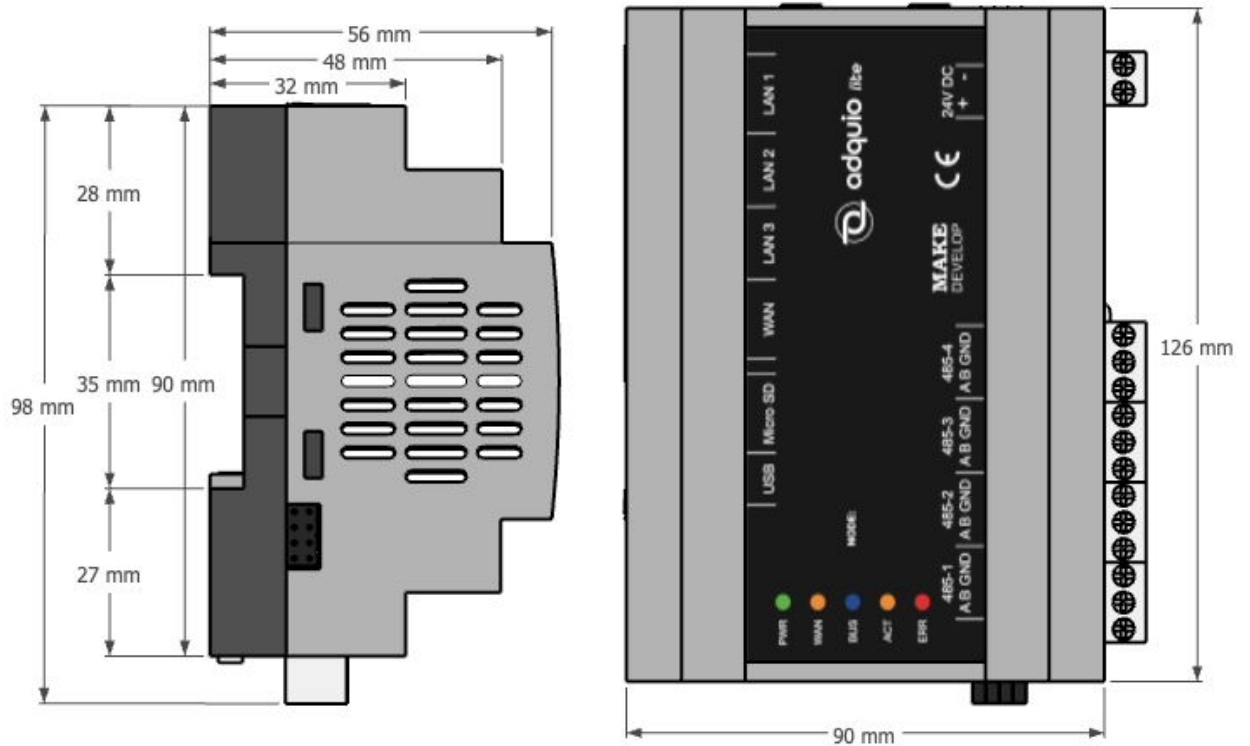
1 Ordering information

Reference	Description	Life cycle *
ADQ-4MBBN-4ETH	Adquio Lite, Java Script programmable controller, 1 WAN, 3 LAN, 4 485, 1 USB, 2 expansion ports	Active



* For planning and commissioning of new installations, use modules in Active state only

2 Dimensions



3 Technical data

Parameter	Value
Process voltage	
Connections	Removable terminal block 5.08 Pitch 2 contacts
Nominal value	24 VDC
Maximum supported	28 VDC
Protection against voltage reversal	Yes
Nominal protection fuse up to	3 A
Consumption	

	From a 24V power supply	140-180 mA
	Maximum consumption	200 mA
	Maximum consumption peak at start-up	300 mA
Integrated UPS		
	Operating time without power before starting shutdown	3 s

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

! CAREFUL!!
Improper connection cables cause overheating at the terminals. Acquio pro, they can be destroyed if the wrong cable type, cable size or cable temperature rating is used.

4 System data

4.1 Environmental conditions

Parameter	Value
Temperature	
Operation	0 ° C ... + 60 ° C (Horizontal mounting on DIN rail)
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 Mechanical data

Parameter	Value
Mounting	Horizontal
Protection level	IP20
Housing material	ABS UL-94-HB Dark gray
Mounting alternatives	
Rail DIN EN 50022 DIN	35 mm, depth 7.5 mm or 15 mm
mounting screws	Screw with a diameter of 4 mm
tightening torque	1.2 Nm

4.3 Protocols

Parameter	Value
Modbus	RTUClient TCPClient and server
BACnet	TCP MSTP

4.4 Communications

Parameter	Value
RS485	

	Number of ports	4
	Speed range	1200 bps to 115,200 bps
Ethernet		
	WAN ports	1
	LAN ports	3
	Communication speed	100 Mb / s
USB		
	Number	1
	Technology	2.0
Side expansions		
	Number	2
	Maximum devices per expansion	4
	Total direct expansions	8
Wireless access point		
	Frequency	2 , 4 Ghz
	Active	For installation only if the device does not detect WAN connection.

4.5 Storage

Parameter	Value
MicroSD High Endurance Card	
Factory	inserted 32Gb
Supports up to	128Gb

4.6 Certifications

Parameter	Value
Safety and Health	EN ISO 13849-1: 2015 EN ISO 13849-2: 2012 EN 62061: 2005 + A1: 2013 + A2: 2015 EN 60950 -1: 2006 EN 62311: 2008
EMC	EN 61000-6-4: 2007 + A1: 2011 EN 61000-6-2: 2005 ETSI EN 301 489-1 v2.2.0 ETSI EN 301 489-17 v3.2.0
Radio	ETSI- EN 300 328 v2.1.1 ETSI EN 301 893 v2.1.1
RoHS	EN 50581: 2012

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