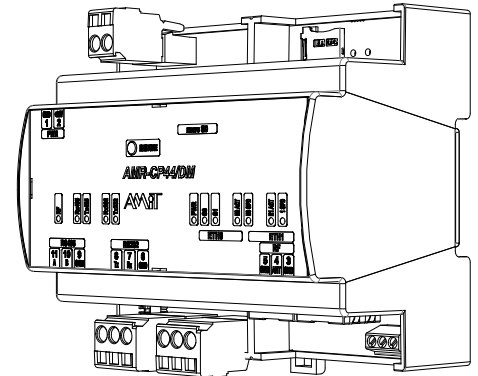


AMR-CP44/DM RevA

Communication unit, programmable controller

- 2× Ethernet 10/100 Mbps (switch)
- 1× RS232 without GI
- 1× RS485 with GI
- 1× Poseidon® wireless interface
- Web server
- Micro SD card slot
- Power supply 24 V DC
- Mounted on a 35 mm DIN rail



TECHNICAL DATA

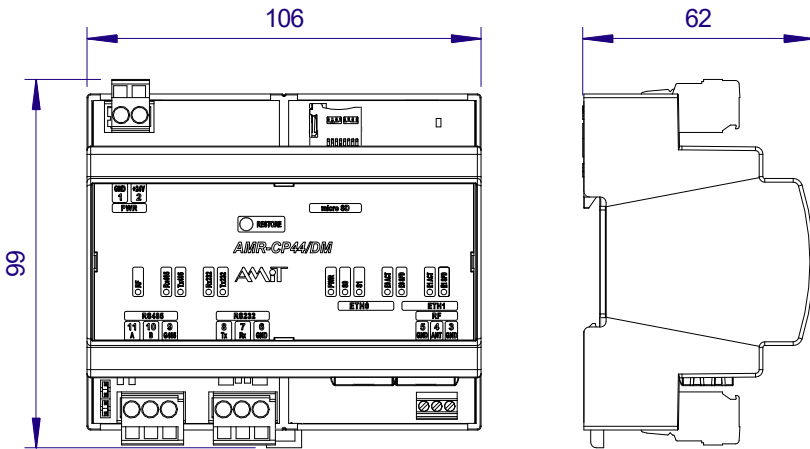
Processor	STM32F437
FLASH	2 MB + 4 MB
RAM, SDRAM	1 MB + 16 MB
RAM backed-up	1 MB
EEPROM	32 KB
RAM + RTC back-up	Battery type CR1632
Memory card slot	Micro SD, 128 MB to 16 GB
ETHERNET	2× ¹⁾
Communication speed	10/100 Mbps
Galvanic isolation	Yes ²⁾
Connection point	Connector RJ45, in accordance with IEEE802.3
RS232	1×
Galvanic isolation	No
Connection point	WAGO231-303/102-000
RS485	1×
Galvanic isolation	Yes ²⁾
Connection point	WAGO231-303/102-000
Poseidon® communication	1×
Operation frequency	868 MHz
Range with the supplied antenna	150 m in free space ³⁾
Supplied antenna	Wire
Connection point	Screw terminal block
Power supply	19.2 V DC to 28.8 V DC
Maximum consumption	130 mA
Connection point	WAGO231-302/102-000
Other	
Ingress protection rate	IP30
Mounting	On a 35 mm DIN rail
Operating temperature	-20 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	0.21 kg
Dimensions (w × h × d)	(106 × 99 × 62) mm
Programming	DetStudio + EsiDet

- ¹⁾ One IP address can be configured in the device. The interface works as a switch.
²⁾ Isolation strength 500 V AC/1 min., galvanic isolation must not be used for separation of dangerous voltages.
³⁾ To extend the signal reach, use an external antenna.

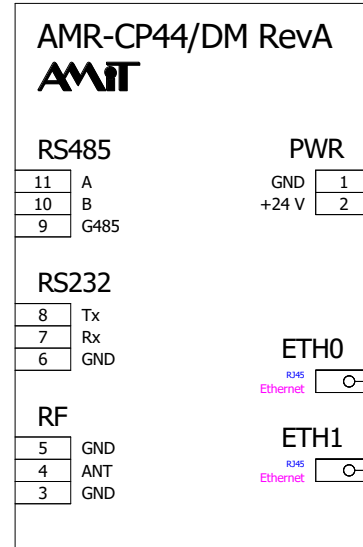
ORDERING INFORMATION

AMR-CP44/DM RevA	Communication unit, programmable controller
-------------------------	---

MECHANICAL DIMENSIONS



DRAWING SYMBOL



DESCRIPTION OF TERMINALS

Terminal	Signal	Significance
1	GND	Power supply, GND
2	+24V	Power supply, +24 V DC
3	GND	Antenna shielding
4	ANT	Antenna
5	GND	Antenna shielding
6	GND	RS232 interface, GND
7	Rx	RS232 interface, Rx
8	Tx	RS232 interface, Tx
9	G485	RS485 interface, GND
10	B	RS485 interface, signal B
11	A	RS485 interface, signal A

GND terminals (1, 3, 5 and 6) are internally connected. Use terminals 3 and 5 solely for connecting the antenna shielding.

Data in this datasheet is informative only. Binding detailed information can be found in the operation manual ([amr-cp4xdm_reva_g_en_xxx.pdf](#)). Documentation can be downloaded at amitautomation.com.

The manner of usage of the system peripheries is determined by the current options of DetStudio / EsiDet.