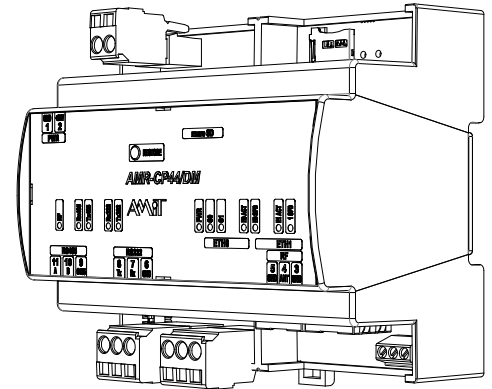


AMR-CP44/DM

Communication unit, programmable controller

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



TECHNICAL DATA

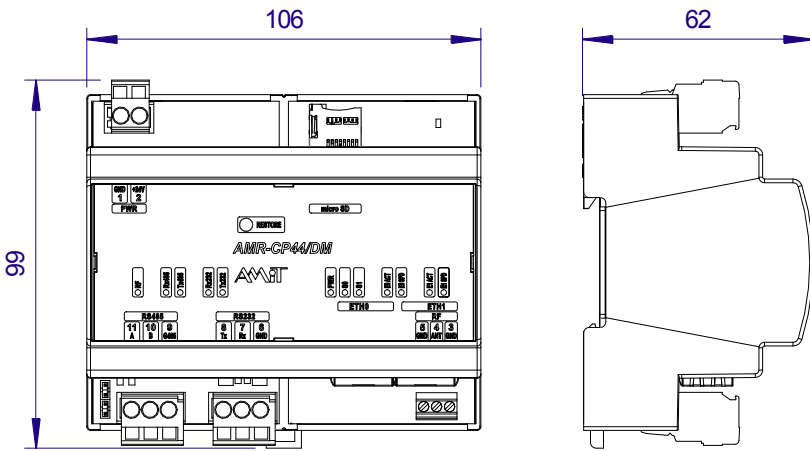
Processor	STM32F427
FLASH	2,048 KB + 4,096 KB
RAM	256 KB + 32 MB
RAM backed-up	1,024 KB
EEPROM	32 KB
RAM + RTC back-up	Battery type CR1632
Memory card slot	Micro SD, 128 MB to 16 GB
ETHERNET	2× ¹⁾
Communication speed	10/100 Mbps
Galvanic isolation	Yes ²⁾
Connection point	Connector RJ45, in accordance 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×
Operating frequency	868 MHz
Range with supplied antenna	150 m in open space ³⁾
Supplied antenna	Wire
Antenna 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 DIN 35 mm rail
Operating temperature	-40 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	0.21 kg
Dimensions (w × h × d)	(106 × 99 × 62) mm
Application programme	Pre-installed ⁴⁾
Programming	DetStudio + AWDet

- 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⁾ External antenna can be used to increase the range.
⁴⁾ Dispatched with FW without the necessity to programme in DetStudio, the program can be rewritten by the application.

ORDERING INFORMATION

AMR-CP44/DM	Communication unit, programmable controller
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MECHANICAL DIMENSIONS



DRAWING SYMBOL

AMR-CP44/DM		AMIT	
RS485		PWR	
11	A	GND	1
10	B	+24V	2
9	G485		
RS232		ETH0	
8	Tx	RJ45	
7	Rx	Ethernet	
6	GND		
RF		ETH1	
5	GND	RJ45	
4	ANT	Ethernet	
3	GND		

DESCRIPTION OF TERMINALS

Terminal	Signal	Description
1	GND	Power supply, GND
2	+24V	Power supply, +24 V DC
3	GND	RF interface, shielding
4	ANT	Antenna
5	GND	RF interface, 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

Terminals GND (1, 3, 5 and 6) are connected internally. Use terminals 3 and 5 only to connect the antenna shield.

Data provided in this datasheet is informative only. Binding detailed information can be found in the operation manual ([amr-cp4xdm_g_en_xxx.pdf](#)). Documentation can be downloaded from [amitautomation.com](#).

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