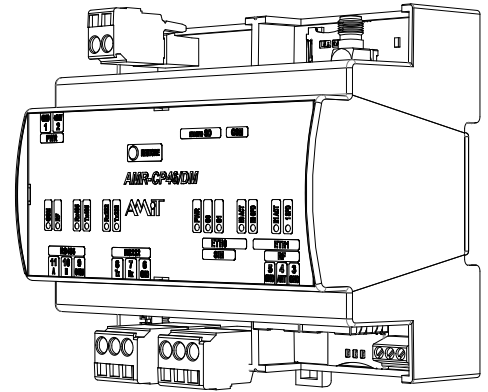


AMR-CP46/DM

Communication unit, programmable controller

- 2× Ethernet 10/100 Mbps (switch)
- 1× RS232 without GI
- 1× RS485 with GI
- 1× GSM modem
- 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
GSM communication	1×
Type	GSM modem
Antenna connection point	SMA
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	TBD
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

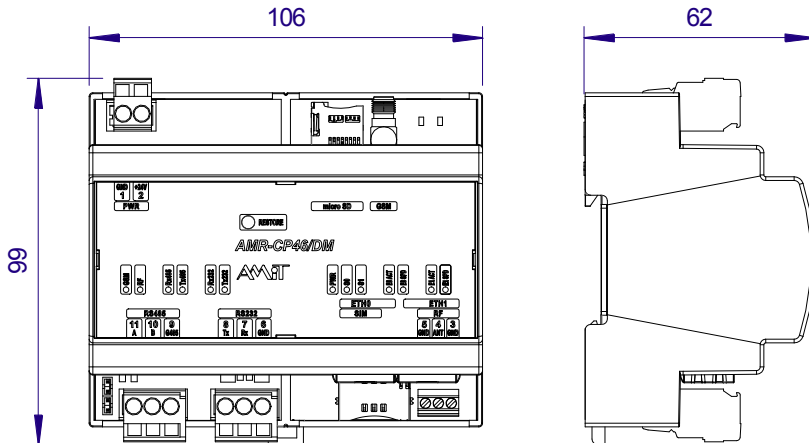
- ¹⁾ One IP address can be configured in the device. The interface works as a switch.
²⁾ Isolation strength 500 V AC/1 min., galvanic isolation must not be used for separation of dangerous voltages.

- 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.

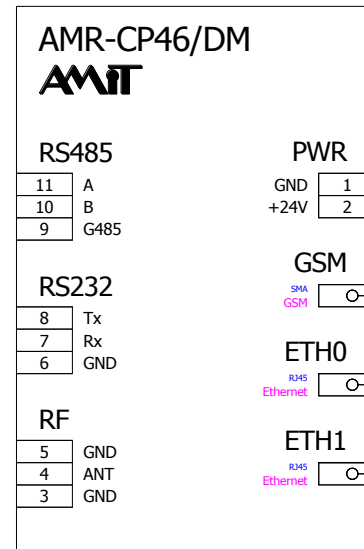
ORDERING INFORMATION

AMR-CP46/DM	Communication unit, programmable controller
GSM-ANT-L2S	GSM – Self-adhesive antenna, 2.5 dB, cable 3 m, SMA
GSM-ANT-M5S	GSM – Magnetic antenna, 5 dB, cable 3 m, SMA
GSM-ANT-U1S	GSM – Rod antenna, angular, 1 dB, no cable, SMA

MECHANICAL DIMENSIONS



DRAWING SYMBOL



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.