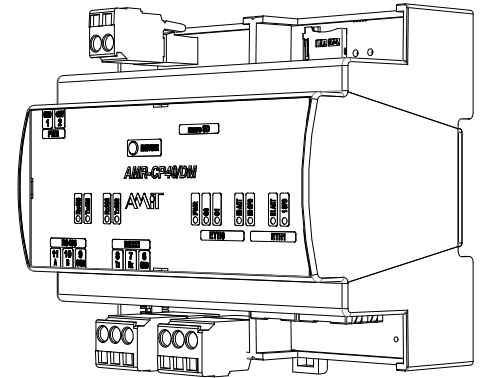


# AMR-CP40/DM

Communication unit, programmable controller

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



## TECHNICAL DATA

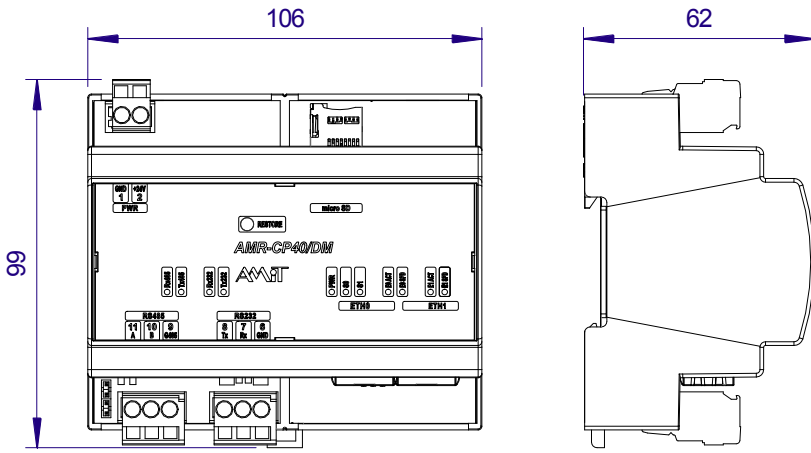
<b>Processor</b>	STM32F427
FLASH	2,048 KB + 4,096 KB
RAM	256 KB + 32 MB
RAM backed-up	1,024 KB
EEPROM	32 KB
RAM + RTC back-up	Battery type CR1632
Memory card slot	Micro SD, 128 MB to 16 GB
<b>ETHERNET</b>	2× <sup>1)</sup>
Communication speed	10/100 Mbps
Galvanic isolation	Yes <sup>2)</sup>
Connection point	Connector RJ45, in accordance with IEEE802.3
<b>RS232</b>	1×
Galvanic isolation	No
Connection point	WAGO231-303/102-000
<b>RS485</b>	1×
Galvanic isolation	Yes <sup>2)</sup>
Connection point	WAGO231-303/102-000
<b>Power supply</b>	19.2 V DC to 28.8 V DC
Maximum consumption	120 mA
Connection point	WAGO231-302/102-000
<b>Other</b>	
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 <sup>3)</sup>
Programming	DetStudio + AWDet

- <sup>1)</sup> One IP address can be configured in the device. The interface works as a switch.  
<sup>2)</sup> Isolation strength 500 V AC/1 min., galvanic isolation must not be used for separation of dangerous voltages.  
<sup>3)</sup> Dispatched with FW without the necessity to programme in DetStudio, the program can be rewritten by the application.

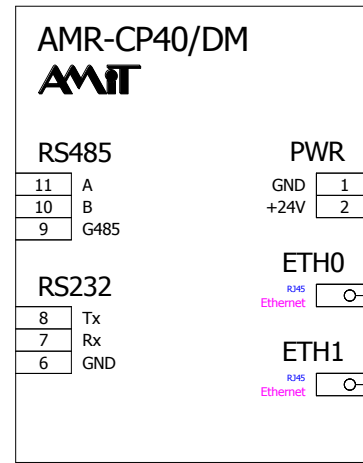
## ORDERING INFORMATION

<b>AMR-CP40/DM</b>	Communication unit, programmable controller
--------------------	---

## MECHANICAL DIMENSIONS



## DRAWING SYMBOL



## DESCRIPTION OF TERMINALS

Terminal	Signal	Description
1	GND	Power supply, GND
2	+24V	Power supply, +24 V DC
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 and 6) are connected internally.

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](http://amitautomation.com).

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