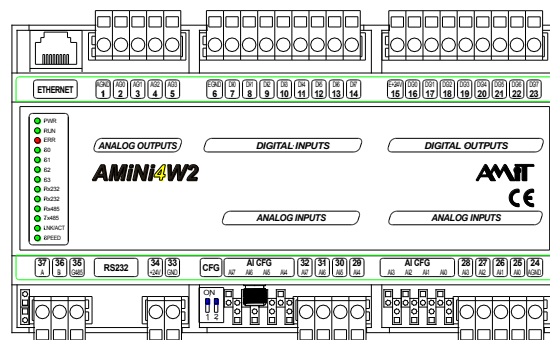


AMiNi4W2/G

Compact control system with GSM modem

- 8× GI digital output 24 V / 0.3 A DC
- 8× GI digital input 24 V DC / AC
- 8× analogue input U/I / Ni1000 / Pt1000
- 4× analogue output 0 V to 10 V
- GSM, RS485 GI, Ethernet 10/100 Mbps
- Integrated web server
- Micro SD card slot
- DIN 35 mm rail mounting



TECHNICAL DATA

CPU procedural / communication	ST10F269 / STM32F207
Flash memory	2 MB + 256 KB
RAM (backed-up)	1024 KB
RAM + RTC back-up	Lithium battery Panasonic, 5 years
Slot for memory card	Micro SD
Inputs	8× DI + 8× AI
Digital inputs	24 V AC / DC
Analogue inputs	0 V to 5 V / 0 V to 10 V / 0 mA to 20 mA / / Ni1000 / Pt1000
Galvanic isolation of digital inputs	Yes *)
Galvanic isolation of analogue inputs	No
Outputs	8× DO + 4× AO
Digital outputs	24 V / 0.3 A DC
Analogue outputs	0 V to 10 V (max. 10 mA)
Galvanic isolation of digital outputs	Yes *)
Galvanic isolation of analogue outputs	No
Communication	
Serial communication channel	1× RS485 (Connectors WAGO)
Ethernet	10/100 Mbps, RJ45, according to IEEE802.3
RS485 galvanic isolation	Yes *)
Wireless communication	GSM modem
SIM card type	Mini (2FF)
Power supply	19.2 V DC to 28.8 V DC
Power consumption (without output load)	Max. 200 mA at 24 V DC
Reference voltage	Internal 5.000 V DC ±1 mV
Others	
Signal connection	Cage clamps WAGO 231
Ingress protection rate	IP20
Operating temperature range	-40 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	DIN rail 35 mm
Weight	0.50 kg
Dimensions (w × h × d)	(160 × 98 × 74) mm

*) Insulation strength 300 V AC / 1 minute, galvanic isolation must not be used for safe and unsafe parts separation.

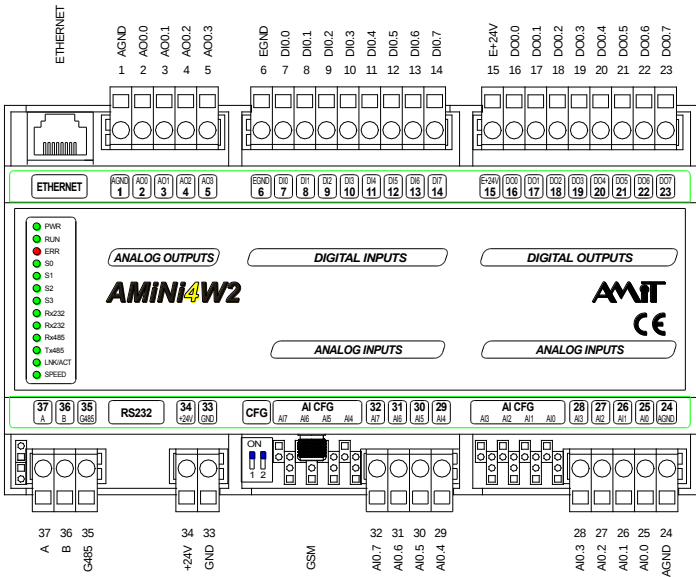
ORDERING INFORMATION

AMiNi4W2/G	Control system, connectors WAGO
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TERMINALS IDENTIFICATION

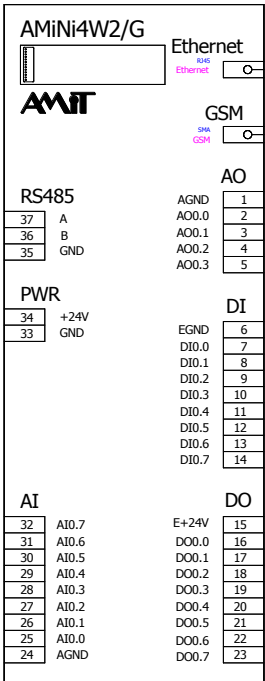
Analogue outputs	AO	4× 10-bit analogue output without GI	1 to 5
Digital inputs	DI	8× galvanically isolated input	6 to 14
Digital outputs	DO	8× galvanically isolated output	15 to 23
Analogue inputs	AI	8× 10-bit analogue input without GI	24 to 32
Power supply	PWR	power supply 24 V DC	33 to 34
Communication	RS485		35 to 37

LOCATION OF TERMINALS

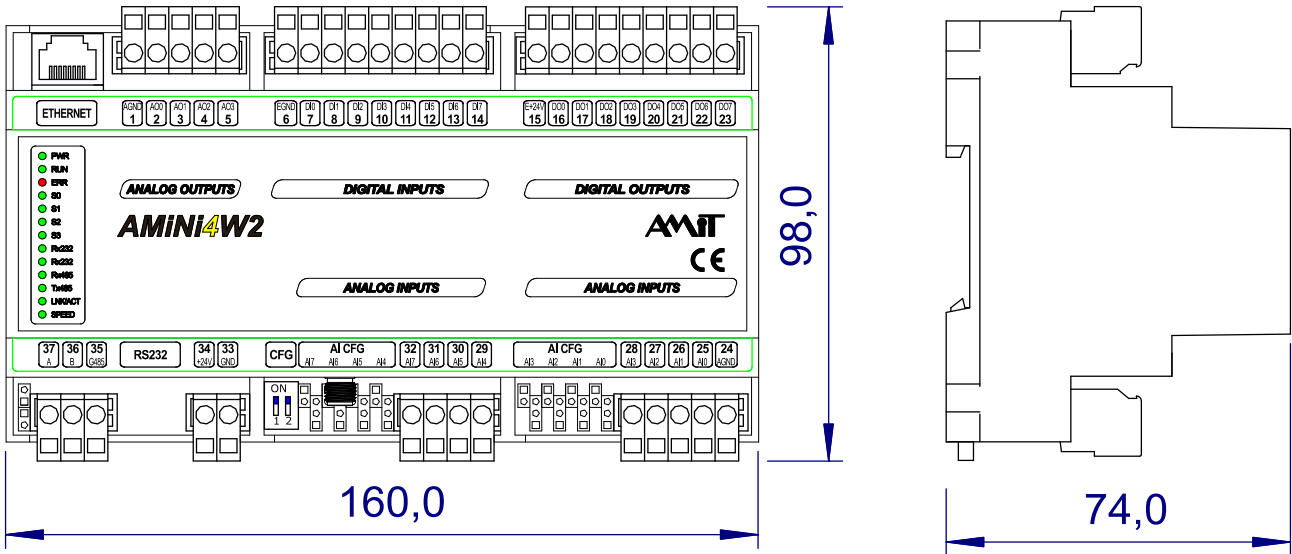


Note: AGND and GND terminals are internally connected

RECOMMENDED DRAWING SYMBOL



MECHANICAL DIMENSIONS



Data provided in this datasheet is informative only. Binding detailed information can be found in the operation manual ([amini4w2g_g_en_xxx.pdf](#)). Documentation can be downloaded from [amitautomation.com](#).
The manner of usage of the system peripherals is determined by the current options of DetStudio / EsiDet.