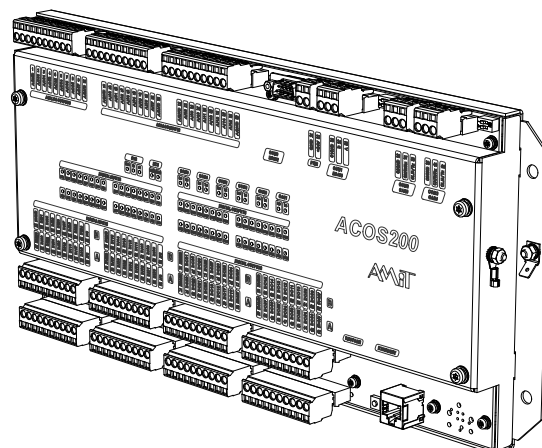


ACOS200 RevA

Compact control system

- 32× digital input 24 V GI
- 32× digital output 24 V / 0.3 A GI
- 16× analogue input U / I / Ni
- 8× analogue output U
- RS232, RS485, Ethernet interface
- 2× optional RS232 / RS485 / CAN
- Integrated web server
- Micro SD card slot
- Power supply 24 V DC



TECHNICAL DATA

Processor, FLASH / EEPROM	STM32F437, 2 MB + 4 MB / 32 KB
Backed-up RAM memory	1 MB
Micro SD card slot	Accessible after case cover removal
RTC, accuracy (25 °C)	CPU, ±20 ppm (max. ±1.73 s/day)
RAM + RTC backup	CR2477 lithium battery removable module
Battery lifetime	5 years in normal environment
Inputs	32× DI + 16× AI
Digital inputs	24 V DC
Galvanic isolation of digital inputs	Yes ¹⁾
Analogue inputs	(0 to 10) V DC / (0 to 20) mA DC / Ni1000 / Pt1000
Outputs	32× DO + 8× AO
Digital transistor outputs	24 V / 0.3 A DC
Galvanic isolation of digital outputs	Yes ¹⁾
Analogue outputs	(0 to 10) V DC, maximum load 10 mA
Communication	
RS232	1×, connector D-Sub DE-9
Galvanic isolation	Yes ¹⁾
RS485	1×, connector WAGO 231
Galvanic isolation	Yes ¹⁾
Ethernet	IEEE802.3 (connector RJ45)
Optional interfaces on the module	RS485 (with module CM-RS485), GI CAN (with module CM-CAN), GI RS232 (with module CM-RS232) – only Rx, Tx
Power supply	14.4 V DC to 28.8 V DC
Power consumption	Max. 220 mA at 24 V DC
Overvoltage protection / reverse polarity protection	Electronic
Other	
Signal connection	Cage clamps WAGO 231
Ingress protection rate	IP20, located in the metal cover
Operating temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	2.04 kg
Dimensions (w × h × d)	(395 × 187 × 44) mm
Programming	DetStudio / EsiDet

¹⁾ Isolation strength 500 V AC / 1 min., galvanic isolation must not be used for separation of dangerous voltages.
Analogue inputs and outputs are not galvanically isolated.

