

## CAI8 Module

### CANBUS MODULE WITH 8 ANALOG INPUTS

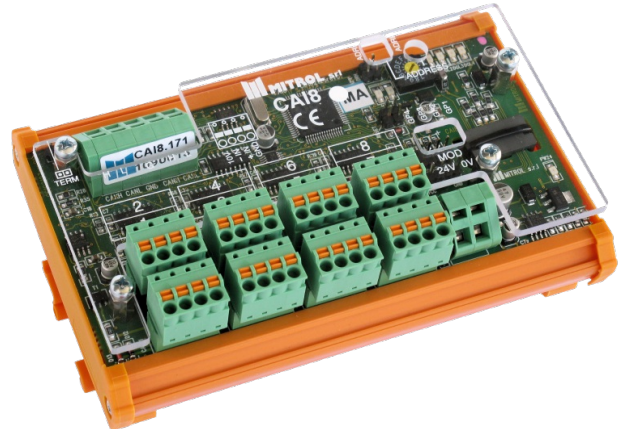
CAI8 is an open frame CanBus module with CanOpen protocol mountable on a standard DIN rail, which provides 8 analog inputs.

The input mode can be modified by software, allowing the module to read differential voltage inputs with dynamics 0/10 V or +10/-10 V, current signals with dynamics 4/20 mA or 0/20 mA and potentiometers directly powered by a reference voltage source, protected from short circuits.

On CAI8P module all the analog inputs are configured to read only PT100 temperature transducers.

3 groups of spring-cage connectors are provided:

1. 2 connectors for module 24 V power supply.
2. 32 connectors grouped in 8 independent subgroups of 4 connectors. Each subgroup provides these connections:
  - o Potentiometers positive reference voltage / Pole PT100.
  - o Differential voltage input negative pole / Current input negative pole / Pole PT100.
  - o Differential voltage input positive pole / Current input positive pole / Potentiometer center terminal.
  - o Potentiometer 0 V reference.
3. 6 connectors for the CanBus line (CANH, CANL e GND\_CAN input, CANH, CANL e GND\_CAN output).



## Technical specifications

Dimensions (H x W x D)	88x132x55 mm
Mounting	Standard DIN rail
Power supply	24 V (18 – 36 V)
Module power consumption	160 mA
Channels	8
Differential input voltage	0/10 V or +10/-10 V
Input current	4/20 mA or 0/20 mA
Minimum potentiometer resistance	1 kOhm
Potentiometer voltage reference	10 V
Converter resolution	12 bit
CanBus Baud Rate	125 kbps / 250 kbps / 500 kbps / 1 Mbps
Marking	CE
Operating temperature	0 – 55 °C
Storage temperature	-20 – 85 °C
Warehousing humidity	85% max non-condensing
CanOpen Standards	DS301 – DS401