

CAN-CBX-AI814

8 Analog Inputs, Resolution 14 Bit

- 8 analog inputs
- resolution 14 bit
- InRailBus
- CANopen

Analog Inputs

The CAN-CBX-AI814 module is equipped with an A/D-converter that offers eight analog input channels with a resolution of 14 bit.

Compact I/O Module

The CAN-CBX module series with InRailBus provides industry compatible CAN bus in-/output modules in combination with service-friendly 'wiring' of CAN bus and supply voltage.

InRailBus

The power supply and the CAN bus signals can be applied via the InRailBus connector (TBUS-connector) integrated in the mounting rail or separately via the clamp-connection.



From the InRailBus individual modules can be removed without interrupting the bus signals.

CAN Interface

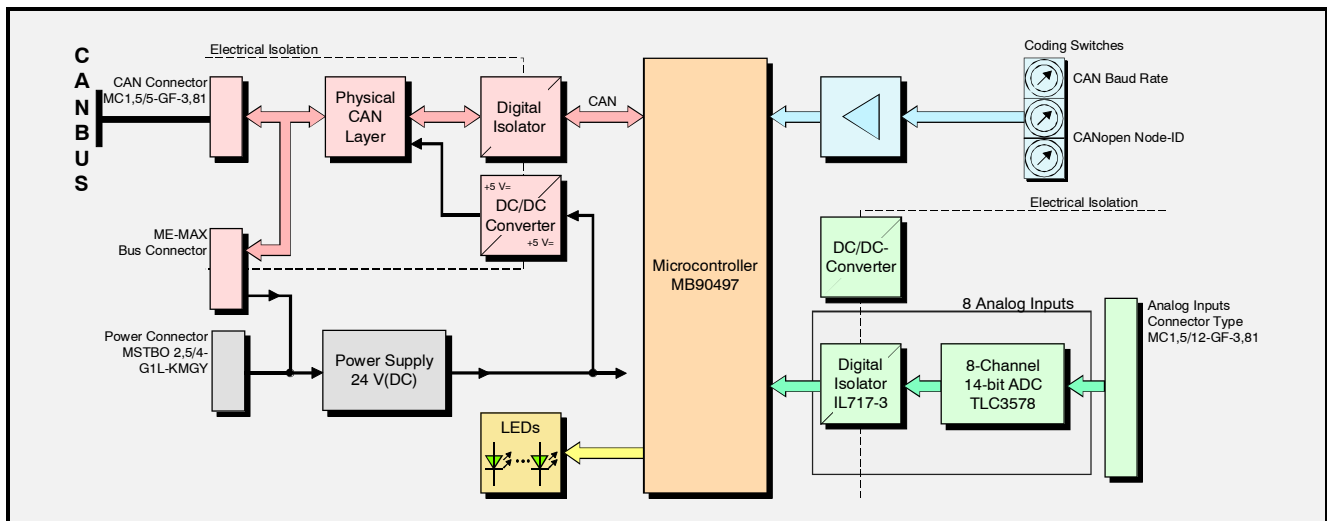
The CAN interface is designed according to ISO11898 with electrical isolation and bit rates up to 1 Mbit/s. The CANopen-node number and the CAN-bit rate can be easily set via coding switches at the top side of the module.

LED Display

Four LEDs indicate the input state and the CANopen node state.

Software Support

The module comes with CANopen firmware according to CiA-DS-301 and with a CANopen I/O-profile according to CiA-DS-401.



Technical Specifications:

Process coupling:	
Number of inputs:	8 analog inputs
Resolution:	14 bits
Input range:	±10 V
Throughput:	≥ 100 µs / 8 channels simultaneously
Electrical isolation:	by digital isolator and DC/DC-converter
CAN, Microcontroller:	
Microcontroller:	MB90F497, CAN 2.0A/B
CAN interface:	acc. to ISO11898, differential, electrically isolated, bit rate up to 1 Mbit/s
Protocol	CANopen DS-301, DS-401

General:	
Ambient temp.:	-20 ... +70 °C
Power supply:	nominal 24 VDC
Dimensions:	22 x 112 x 113 mm
Connectors:	Power: Phoenix MSTBO2,5/4-G1LKMGY CAN: Phoenix MC1,5/5-GF-3.81 Analog: Phoenix MC1,5/12-G-3,81
Order information:	
Designation	order no.
CAN-CBX-AI814 8 analog inputs 14 bit	C.3020.02