



CAN-CBX-AI814

8 analog inputs, Resolution 14 bit

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- 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 are applicable through the InRailBus connector (TBUS-connector) integrated in the mounting rail or separately through the clamp connection. Individual modules are removable from the InRailBus without interrupting the bus signals.

LED Display

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



For further information please visit
http://www.esd-electronics-usa.com/CAN_CANopen_PCI_Interface_CAN-CBX-AI814.htm

CAN Interface

The CAN interface is fully ISO11898 compliant, with bit rates up to 1 Mbit/s, and is opto-isolated. The CANopen-node number and the CAN bit rate can be easily set with coding switches at the top side of the module.

Software Support

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

growing with the
challenge

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Technical Specifications

Process coupling	
Number of inputs	8 analog inputs
Resolution	14 bits
Input range	±10 V
Throughput	≥100 μ 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, opto-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 MSTB02,5/4-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

