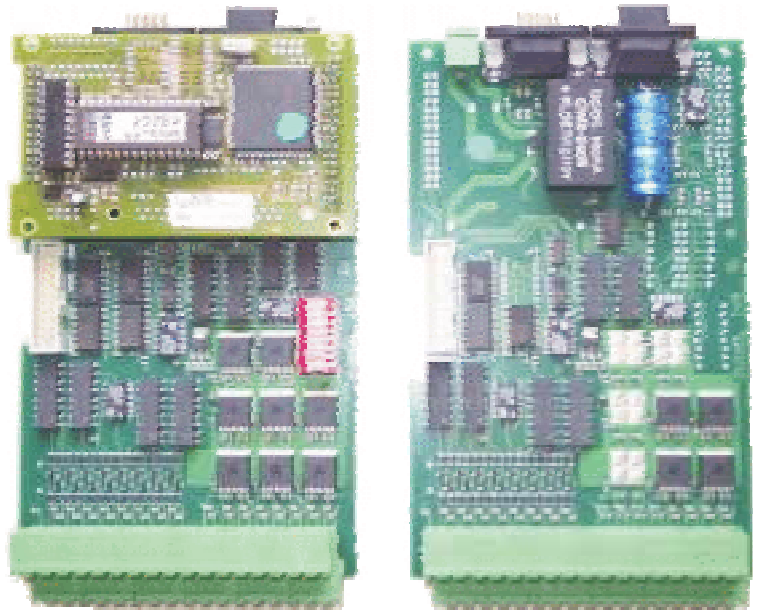


CAN I/O

The CAN I/O's are primarily intended as hardware for distributed industrial control application. They can also be used as a stand alone controller.

The CAN interface enables CAN I/O to participate in a real time network. Complex control algorithms can be distributed among several decentralized stations with a minimum of wiring.

The core of the CAN I/O's consists of the micro controller Philips 80C592. Other controller units like Siemens 80C166 with external CAN cell or Siemens SAB C167 CR (with FlashEPROM onboard) and up to 256 kByte EPROM are possible.

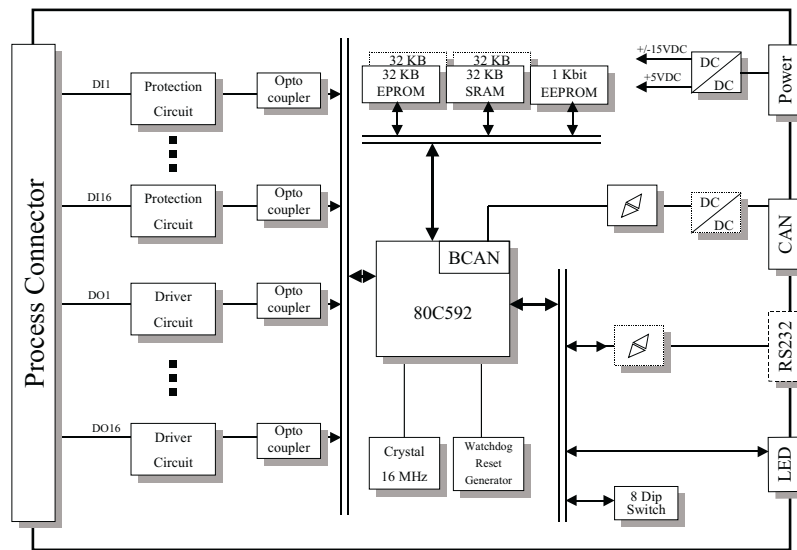


FEATURES

- Up to 64 I/O's, all galvanic decoupled (32 digital in and 32 digital out)
- Powerful Outputs: 500mA@24VDC
- Analog in- and outputs and programmable counter are available.
- CAN protocol according to CAN 2.0A by using the 8-Bit version and CAN 2.0B by using the 16-Bit version
- On board RS 232 interface for easy development, diagnostic and service.
- Ideal platform for real time I/O management
- Data (pre-)processing by the microcontroller or direkt link of input event to CAN
- CANopen supported (on request)

HIGHLIGHTS

- Easy configuration and easy to use
- Designed for rough industrial environment
- Configurable via CAN or RS232
- Different housing for various protection classes available on request
- reduces the wiring
- PC program for remote control available
- Slave board with 32 I/Os available
- All in- and outputs with phoenix contact connectors
- Delivery content includes source code and documentation



SPECIFICATIONS

General Characteristics

- Transfer rate CAN: up to 1 MBit/s
- Transfer rate RS232: 9,6 Kbaud
- Physical dimensions: 100 mm x 160 mm
- Housing: on request
- Power supply: 9-36V DC or 18-30VDC
- Temperature range: 0 to +70° C
- Processor types: 80C592, @ 16 MHz
- Memory: 32 kByte EPROM
32 kByte SRAM
- Inputs: 32 digital in,
24 VDC ,
load-dump protection
- Output: 24 (32) digital out
24VDC,
500mA per channel,
short-circuit and load-dump protection

Connectors

- Network CAN: 9-pin Sub D Min male
CiA standard
- I/Os: Phönix Contact (Combicon)
- Power supply: Phönix Contact (Combicon)
- Network RS232: 9 pin SubD min D female

Network protocol interfaces

- CAN: Internal CAN cell of the
80C592 (bCAN) CAN 2.0 A

Network physical interfaces

- CAN: CAN ISO 11 898 (82C250)

GENERAL INFORMATION

- Hardware requirements:
 - Programming device for EPROM (only for own software development)
- Software requirements:
 - MS-DOS 3.0 and higher
- Knowledge requirements for design of own applications :
 - Experience in programming CAN-microcontroller applications

PRODUCT INCLUDES

- 1x CAN IO Type 2 Master/Slave board incl. housing
- Demo-source code

ORDERNUMBERS

- IME 1802 202 (Hardware 32in/24out)