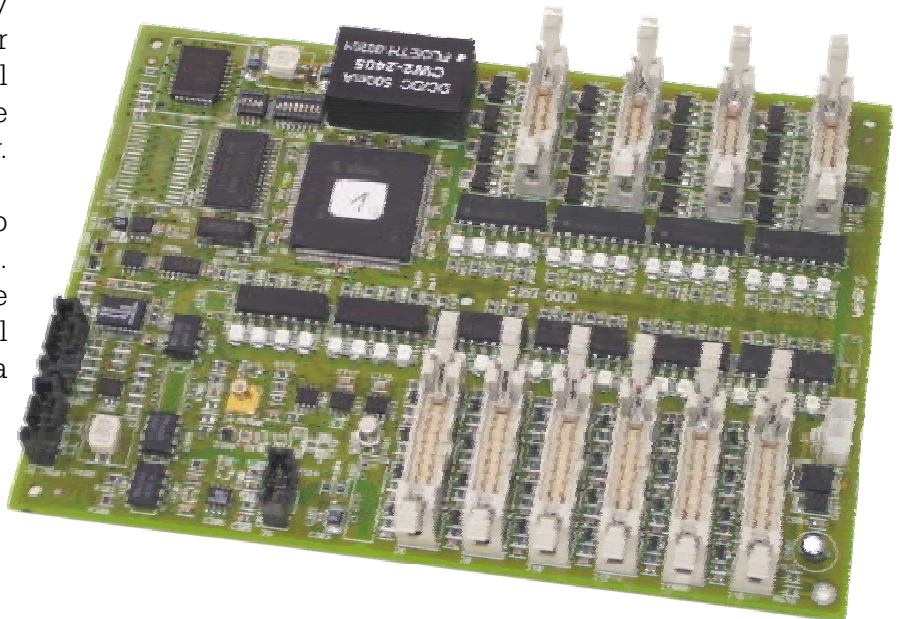


CAN IO Modul 5

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.



FEATURES

- Support CAN 2.0B active
- Hardware support Baudrates up to 1 MBit/s
- Optical isolated against the field IO
- Interface for RS 232
- Additional interface for unique modul ID (DS 2502)
- 2 KV Optical isolated analog input and output
- 24 digital inputs
- 16 digital outputs (low side switches)
- Each input/output controlled by LED
- Analog input: 0-10VDC (Unipolar)
10 Bit ADC used
- Analog output: 0-10VDC (Unipolar)

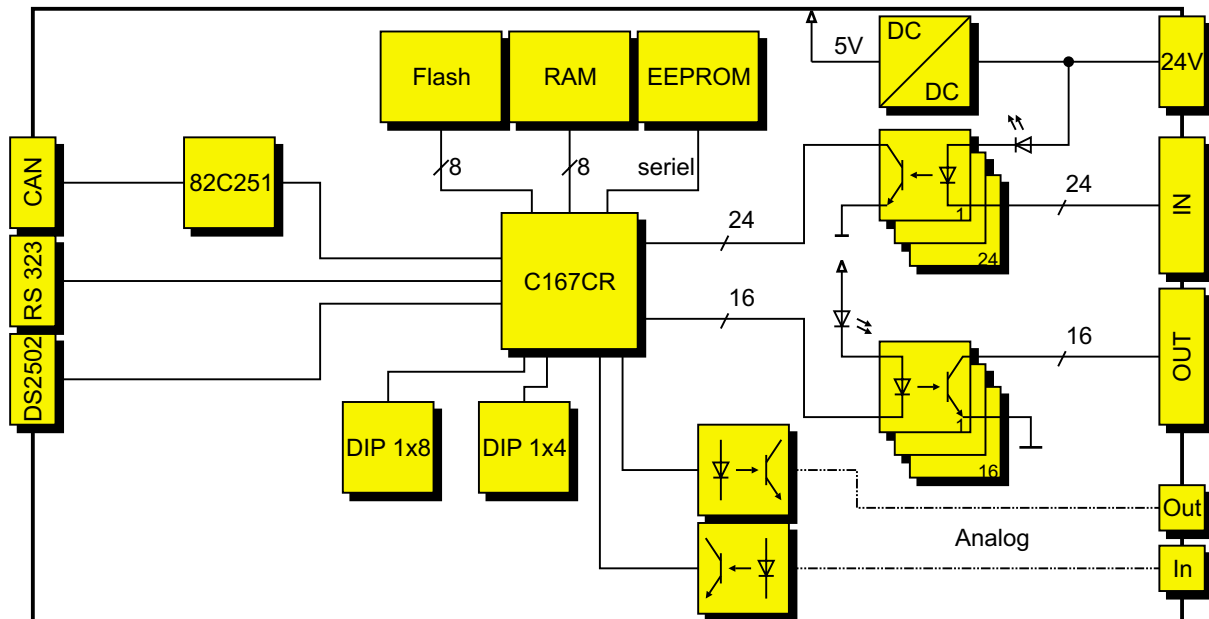
HIGHLIGHTS

- High performance embedded micro processor
- On-board data pre-processing
- Program download option for firmware updates
- CANopen supported
- Configurable via CAN or RS 232

CAN IO Controller

I+ME

ACTIA



SPECIFICATIONS

- 16 Bit microcontroller SAB-C167CR-LM
- 128 kByte RAM 8 Bit data bus (70ns access time)
Optional 128 kByte RAM (16 Bit)
- 128 kByte Flash 8 Bit data bus (70ns access time)
- 512 Byte EEPROM (serial Interface – 93LC56)
- 1* 8 Dip switches and 1*4 Dip switches
- 20 MHz internal controller clock (generated by an external 5MHz Quartz and the internal PLL)
- internal CAN controller of C167CR (CAN 2.0B)
- reset generator for a safe microcontroller reset if power goes down
- Power supply: 24V DC +/- 5%
- maximum power consumption of microcontroller kernel not higher than 500mA@5V
- Transfer rate CAN: up to 500 kBit/s
- Transfer rate RS232: up to 19200 Baud
- CAN physical layer conform to ISO 11898
- connector:
 - CAN: AMP 5, single in line header 103670-4
 - RS232: AMP 6, single in line header 103670-5
 - Power: molex 2pol
 - DS 2502: koax SMB female
 - DigiOut: 10pol AMP
 - DigiIn: 16pol AMP
 - Anal In/Out AMP 4, single in line header 103670-3

GENERAL INFORMATION

- Isolated logic ground against IO ground - 2 kV AC (500V DC)
- No special line drivers for the Ds2502 interface.
- Mechanic dimensions: PCB dimensions: 177,8 x 127,0 x 38,1 mm (7" x 5" x 1.5")
PCB meets ADAC MDEP P1002 fabrication requirements.
- Temperature range: 0 ..+55°C (+32..+131°F)
- Storage Temp.: -20 ..+70°C (-4..+158°F)
- Humidity: max. 95% not condensing

PRODUCT INCLUDES

- Hardware
- CANopen operating software

ADDITIONAL SUPPORT

- CANopen monitor with I+ME Actia HW
- CANopen diagnose tools

ORDERNUMBERS

- IME 18 09 401 CAN IO Modul 5 Set
- IME 18 09 201 CAN IO Modul 5 Hardware