

1 Introduction

This document describes the 68HC908AZ60 based, low cost CAN-Starterkit.

Two basic applications are provided:

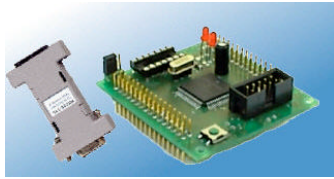
- CAN analyzer, even for other types of micro controllers
- hardware and software base for CAN application development with '908AZ60

No additional hardware or software is needed for the first step.

The CAN analyzer software connects a PC via serial interface to the CAN bus. The software is extensively configurable for receiving and transmitting messages to the CAN bus and is suitable for testing or simulating CAN bus devices.

As a base for own CAN bus application software development the C-language source code of a basic CAN communication software is included.

With the flash download and debug interface for monitor mode communication the CAN monitor software can be downloaded to the controller as well as user developed software can be tested.



Main specifications:

- Dimensions ca. 52 x 57,4mm
- Contains Monitor-Mode-Interface (MON-IF08P) for Flash-Programming and debugging
- Flash-Programming software for PC is included
- 2,54mm (0.1") grid pinheaders to easily plug onto other test hardware or prototyping breadboards
- We used special long pinheaders for easy connection of e.g. oscilloscope, logic analyser or test hardware on each side of the board
- Socket for optional usage of oscillators or different quartz crystals
- Reset-Switch

2 Features

2.1 Hardware

Flash-Microcontroller Motorola 68HC908AZ60A (60KB Flash, 2K RAM, In-Circuit Programmable through Monitor-Mode-Interface)

CAN-Transceiver Philips 82C250 (optional 82C251 or LT1796 usable)

Low-Drop-Voltage regulator Infineon TLE4269G

All controller pins are wired to the 2,54mm (0.1") pinheaders. So the hardware could easily be enhanced by breadboard constructions.

2.2 Software

CAN-Monitor:

All CAN-communication parameters extensively configurable

Sending of cyclic messages

Storing of pre defined messages for sending by shortcut

Display all or filtered received messages

Storing of the settings in μ C EEPROM

Connected to PC via serial communication, PC runs a terminal program like e.g. Hyperterminal[®]

Source code of basic communication layer in C-language included

3 Package content

CAN-Evaluation-Board EB08_AZCAN

Monitor mode interface MON-IF08P with PC-Software for programming the AZ60's flash memory

Power supply

Serial cable, flat cable to MON-IF08P

CAN-Monitor-Software runs on 68HC908AZ60

Source Code of basic communication layer in C-language

Optional: additional CAN-Evaluation-Boards EB08_AZCAN to build a system with more nodes.

4 Contact

If you have questions about the product or application, please feel free to contact us.

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