# Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit

The Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit is a compact and versatile evaluation platform for the Stellaris LM3S8962 ARM® Cortex<sup>™</sup>-M3-based microcontroller. The evaluation kit design highlights the LM3S8962 microcontroller's integrated CAN and 10/100 Ethernet

microcontroller's integrated CAN and 10/100 Ethernet controllers.



# Features

As well as implementing an embedded web server, the kit functions as a complete controller area network (CAN) by providing two boards each with a Stellaris microcontroller. The main evaluation board (EVB) is the CAN host. A small CAN device board, linked with a ribbon cable, uses a Stellaris LM3S2110 microcontroller. The function of each board is fully configurable in software.

You can use the EVB either as an evaluation platform or as a low-cost in-circuit debug interface (ICDI). In debug interface mode, the on-board microcontroller is disabled, allowing connection of the debug signals to an external target. The kit is also compatible with high-performance external JTAG debuggers.

This evaluation kit enables quick evaluation, prototype development, and creation of application-specific designs for Ethernet networks. The kit also includes extensive source-code examples, allowing you to start building C code applications quickly. The evaluation kit includes the following features:

- Stellaris LM3S8962 microcontroller with fully-integrated 10/100 embedded Ethernet controller and CAN MAC
- Simple setup: USB cable provides serial communication, debugging, and power
- OLED graphics display
- User LED, navigation switches, and select pushbuttons
- Magnetic speaker
- MicroSD card slot

- USB interface for debugging and power supply
- Standard ARM® 20-pin JTAG debug connector with input and output modes
- LM3S8962 I/O available on labeled break-out pads

### **Kit Contents**

The evaluation kit contains everything needed to develop and run applications for Stellaris microcontrollers including:

- LM3S8962 evaluation board (EVB)
- USB cable
- 20-pin JTAG/SWD target cable
- 10-pin CAN cable
- Retracting Ethernet cable
- CD containing:
  - Complete documentation
  - Evaluation version of the software tools
  - Quickstart guide and source code
  - StellarisWare® Peripheral Driver Library and example source code
  - An evaluation version of one of the following:
    - Keil<sup>™</sup> RealView<sup>®</sup> Microcontroller Development Kit (MDK-ARM)
    - IAR Embedded Workbench
    - Code Sourcery GCC development tools
    - Code Red Technologies Code Suite development tools
    - Texas Instruments' Code Composer Studio™ IDE

# **Ordering Information**

Product Number	Description		
EKK-LM3S8962	Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit for Keil™ RealView® MDK-ARM (32 KB code-size limited)		
EKI-LM3S8962	Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit for IAR Systems Embedded Workbench® (32 KB code-size limited)		
EKC-LM3S8962	Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit for CodeSourcery G++ GNU (30-day limited)		
EKT-LM3S8962	Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit for Code Red Technologies Red Suite (90-day limited)		
EKS-LM3S8962	Stellaris® LM3S8962 Ethernet+CAN Evaluation Kit for Code Composer Studio™ IDE (board-locked)		

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