Stellaris® LM3S1968
Evaluation Kit

The Stellaris® LM3S1968 Evaluation Board is a compact and versatile evaluation platform for the Stellaris LM3S1968 ARM® Cortex™-M3-based microcontroller. The evaluation kit design highlights the LM3S1968 microcontroller's peripherals and its Hibernation module.

Features

A 3 V lithium battery, included in the LM3S1968 Evaluation Kit, supplies power to the Hibernation module and maintains data and real-time clock information for about two years in the absence of USB power.

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 using the LM3S1968's broad range of peripherals. 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 LM3S1968 microcontroller
- Simple setup: USB cable provides serial communication, debugging, and power
- OLED graphics display
- User LED, navigation switches, and select pushbuttons
- 8Ω magnetic speaker with class D amplifier

- Internal 3 V battery and support for on-chip hibernation module
- USB interface for debugging and power supply
- Standard ARM® 20-pin JTAG debug connector with input and output modes
- LM3S1968 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:

- LM3S1968 evaluation board (EVB)
- USB cable
- 20-pin JTAG/SWD target 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™ RealView® 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-LM3S1968	Stellaris® LM3S1968 Evaluation Kit for Keil™ RealView® MDK-ARM (32 KB code-size limited)
EKI-LM3S1968	Stellaris® LM3S1968 Evaluation Kit for IAR Systems Embedded Workbench® (32 KB code-size limited)
EKC-LM3S1968	Stellaris® LM3S1968 Evaluation Kit for CodeSourcery G++ GNU (30-day limited)
EKT-LM3S1968	Stellaris® LM3S1968 Evaluation Kit for Code Red Technologies Red Suite (90-day limited)
EKS-LM3S1968	Stellaris® LM3S1968 Evaluation Kit for Code Composer Studio™ IDE (board-locked)

Texas Instruments • 108 Wild Basin, Suite 350 • Austin, TX 78746
http://www.ti.com/stellaris

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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