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Worldwide (In English)

# EKC-LM3S9D90 Evaluation Kit

(NRND) EKC-LM3S9D90



Description & Features



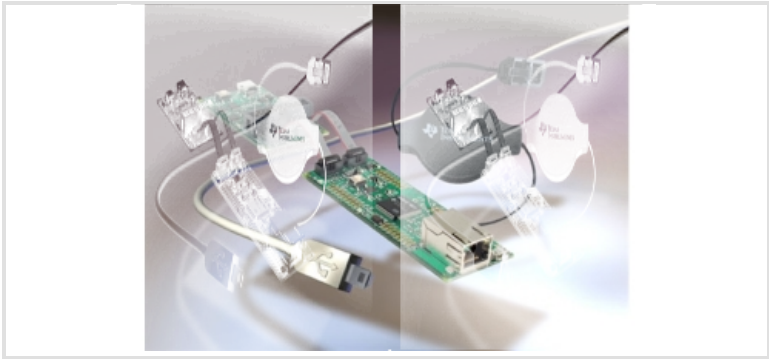
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## Description

The Stellaris® LM3S9D90 Ethernet+USB-OTG Evaluation Kit provides a low-cost evaluation platform for the LM3S9D90 ARM® Cortex™-M3-based microcontroller. The kit includes two boards: the EK-LM3S9D90 evaluation board, and an In-Circuit Debug Interface (ICDI) board. The evaluation board features a simple, streamlined design for 32-bit Stellaris-based application with industrial connectivity, highlighting the Stellaris LM3S9D90 microcontroller's simultaneous integrated 10/100 Ethernet MAC/PHY, full-speed USB-OTG interfaces, and convenient connection to the MCU's GPIO ports. Kits feature:



## Features

The evaluation board uses the LM3S9D90 microcontroller which features a Hibernation module to efficiently power down the device to a low-power state during extended periods of inactivity.The LM3S9D90 microcontroller also features an external 16 MHz crystal that provides the main oscillator clock which can directly drive the ARM core clock or an internal PLL to increase the core clock up to 80 MHz. A 25 MHz crystal is used for the Ethernet clock and a 4.194304 MHz crystal is used for the real-time clock. The LM3S9D90 microcontroller also has an internal LDO voltage regulator that supplies power for internal use.


Kits feature:

- EK-LM3S9D90 Evaluation Board (EVB)
- In-Circuit Debug Interface Board (ICDI)
- USB-miniB to USB-A plug cable
- USB-iA to USB-A receptacle cable
- USB-iB to USB-A plug cable
- 10-pin ribbon cable for JTAG/SWD connection
- 8-pin ribbon cable for power/UART connection
- CD containing: evaluation version of the software tools, complete documentation, quickstart guide and source code, and Stellaris Peripheral Driver Library and example source code.

TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

## Technical Documents

### User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">Stellaris LM3S9D90 Evaluation Board User's Manual</a>		PDF	567	20 Jul 2011	41

### More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">Stellaris LM3S9D90 Evaluation Kit Product Brief</a>		PDF	79	20 Jul 2011	5
 <a href="#">Stellaris LM3S9D90 Evaluation Board Readme First</a>		PDF	364	20 Jul 2011	3

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<b>SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series</b> Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
<b>TI-RTOS Update</b> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
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