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Worldwide (In English)

# Tiva™ C Series LaunchPad Evaluation Kit

(ACTIVE) EK-TM4C123GXL

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## Description

The Tiva C Series TM4C123G LaunchPad Evaluation Kit is a low-cost evaluation platform for ARM® Cortex™-M4F-based microcontrollers from Texas Instruments. The design of the TM4C123G LaunchPad highlights the [TM4C123GH6PM](#) microcontroller with a USB 2.0 device interface and hibernation module.

The EK-TM4C123GXL also features programmable user buttons and an RGB LED for custom applications. The stackable headers of the Tiva C Series TM4C123G LaunchPad BoosterPack XL Interface make it easy and simple to expand the functionality of the TM4C123G LaunchPad when interfacing to other peripherals with Texas Instruments' MCU BoosterPacks.



Tiva™ C Series TM4C123G LaunchPad

## Features

The Tiva C Series EK-TM4C123GXL LaunchPad Evaluation Kit offers these features:

- A TM4C123G LaunchPad Evaluation board
- On-board In-Circuit Debug Interface (ICDI)
- USB Micro-B plug to USB-A plug cable
- Preloaded RGB quickstart application
- ReadMe First quick-start guide

**Start developing on the Tiva C platform quickly and easily**

Learn more about Tiva C Series and development tools and software available to you for Tiva C ARM MCUs.

[more](#)

## What's Included

- Tiva C Series TM4C LaunchPad Evaluation Board (EK-TM4C123GXL)
- On-board In-Circuit Debug Interface (ICDI)
- USB Micro-B plug to USB-A plug cable
- README First document
- Free EK-TM4C123GXL TivaWare for C Series software downloads





## Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
EK-TM4C123GXL: Tiva™ C Series TM4C123G LaunchPad Evaluation Kit	\$12.99(USD) In Stock Typically Ships in 1 to 3 Business Days <a href="#">Buy from TI</a>	Pricing may vary. <a href="#">Buy from distributor</a>	ACTIVE
SENSHUBPACK-123G: Sensor Hub BoosterPack	\$49.99(USD) <a href="#">Order Online</a>	Not Available	ACTIVE
SENSHUBPACK-123G-W: Wireless Sensor Hub BoosterPack Bundle	\$199.99(USD) <a href="#">Order Online</a>	Not Available	ACTIVE
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TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

## Technical Documents


## User Guides (4)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">BOOSTXL-SENSHUB BoosterPack Getting Started Guide</a>	<a href="#">Read Abstract</a>	PDF	1027	24 Apr 2013	2,994
 <a href="#">BOOSTXL-SENSHUB Sensor Hub BoosterPack User Manual</a>	<a href="#">Read Abstract</a>	PDF	389	24 Apr 2013	2,671
 <a href="#">Tiva C Series TM4C123G LaunchPad Evaluation Kit User's Manual</a>	<a href="#">Read Abstract</a>	PDF	620	15 Apr 2013	8,609
 <a href="#">Tiva C Series TM4C123G LaunchPad Evaluation Kit ReadMe First (Rev. A)</a>		PDF	3270	28 Mar 2013	5,089

## Selection Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">Lift-off with the LaunchPad Ecosystem (Rev. A)</a>		PDF	4948	01 Dec 2014	6,298
 <a href="#">TM4C Microcontrollers (Rev. D)</a>		PDF	6105	14 Oct 2014	9,357










## Solution Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">White Goods Solution Guide</a>		PDF	11357	19 Jun 2013	3,312

## White Papers (1)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">An Introduction to the Tiva C Series Platform of Microcontrollers</a>		PDF	111	12 Apr 2013	2,640

## More Literature (9)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">C2000™ TM4C12x Control + Automation MCUs</a>		PDF	995	09 Jun 2014	1,043
 <a href="#">Lift off with LaunchPad Evaluation Platform (Rev. A)</a>		PDF	1116	16 Apr 2014	7,372
 <a href="#">Sensor Hub BoosterPack (Rev. A)</a>		PDF	105	10 Dec 2013	1,260
 <a href="#">MCUs in Industrial Sensors</a>		PDF	299	14 Aug 2013	1,275
 <a href="#">Tiva™ C Series Development and Evaluation Kits for Sourcery CodeBench Dev Tools</a>	<a href="#">Read Abstract</a>	PDF	10314	12 Jul 2013	396
 <a href="#">Tiva™ C Series Development and Evaluation Kits for Keil RealView MDK</a>	<a href="#">Read Abstract</a>	PDF	3702	12 Jul 2013	1,009
 <a href="#">Tiva™ C Series Development and Evaluation Kits for IAR Embedded Workbench</a>	<a href="#">Read Abstract</a>	PDF	1484	12 Jul 2013	954
 <a href="#">Tiva™ C Series Development and Evaluation Kits for Code Composer Studio™</a>	<a href="#">Read Abstract</a>	PDF	12979	12 Jul 2013	1,003
 <a href="#">Tiva C Series TM4C123G LaunchPad Evaluation Kit (Rev. A)</a>		PDF	1144	12 Apr 2013	1,512

## Related Products

## Software (3)

Name	Part Number	Software Type
<a href="#">Stellaris® ICDI Drivers</a>	STELLARIS_ICDI_DRIVERS	Application Software & Frameworks
<a href="#">Tiva™ C Series LaunchPad Evaluation Board Software</a>	SW-EK-TM4C123GXL	Application Software & Frameworks

 [LaunchPad Drivers](#)  
(ZIP, 17202 KB) 2614 views, 30 Sep 2013

## Development Tools (1)

Name	Part Number	Tool Type
<a href="#">Flash Programmer, GUI and Command Line</a>	LMFLASHPROGRAMMER	Flash Programming Tools

## Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
<a href="#">Sensor Hub BoosterPack</a>	BOOSTXL-SENSHUB	Evaluation Modules & Boards


## TI Devices (1)

Part Number	Name	Product Family
TM4C123GH6PM	Tiva C Series Microcontroller	Control + Automation

## Videos

**Your System Status**

**WE'RE SORRY!**  
You need to update your Flash Player.



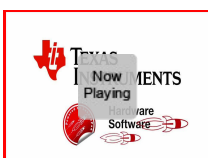
**IMPORTANT:** After installing the required upgrade please reload this browser window to view the video player.

### Build Your Own BoosterPack (BYOB)

Ready to move beyond the breadboard? TI's Build Your Own BoosterPack (BYOB) process is a collection of resources to help you get started with building your own plug-in modules for the Texas Instruments

**Posted:** 09-Dec-2013  
**Duration:** 01:22  
**Views:** 12465  
**Tags:** c2000, hardware, Prototyping, hercules, tiva c, ti, E2E, software, tilaunchpad, 430, energia, Texas Instruments, TIVA, MSP430, PCB, microcontrollers, iot, msp, MCU, Launch, boosterpack, English, projects, hercules™ arm® cortex™-r4f safety microcontrollers, portable power, tiva arm c series, msp430™ ultra-low power, portable power management,


**Related Videos**



Build Your Own BoosterPack (BYOB)

**Please note**

Information in this video also applies to the new Tiva™ LaunchPads TM4C123G LaunchPad\* (E2E) (L) \*Add Motor Control PWM & USB Host options

 Stellaris LaunchPad Overview—2013 Tiva Update


## Support and Community

### Wikis

[Visit the TI Wiki](#)

Topics	Last modified
<a href="#">Getting Started with the Tiva C Series TM4C123G LaunchPad</a>	16 Jan 2014 4:43 PM

## TI E2E™ community



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- [Hercules™ ARM® Cortex Safety MCUs](#)
- [C2000™ 32-bit Real Time MCUs](#)
- [Tiva™ C Series ARM® Cortex-M MCUs](#)
- [Development Tools](#)

## Training & events

Name	Type	Available During
<a href="#">Georgia Tech MOOC: Control of Mobile Robots</a> Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
<a href="#">SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series</a> Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
<a href="#">TI-RTOS Update</a> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<a href="#">Designing with Ultra Low Power Segmented Displays</a> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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## Customer Tags

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