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Worldwide (In English)

# TM4C1294 Connected LaunchPad

(ACTIVE) EK-TM4C1294XL

Description & Features

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## Description

The Tiva™ C Series TM4C1294 Connected LaunchPad Evaluation Board is a low-cost evaluation platform for ARM® Cortex-M4-based microcontrollers. The Connected LaunchPad design highlights the **TM4C1294NCPDT** microcontroller with its on-chip 10/100 Ethernet MAC and PHY, USB 2.0, hibernation module, motion control pulse-width modulation and a multitude of simultaneous serial connectivity.



## Features

- TM4C1294NCPDT MCU: 120MHz 32-bit ARM Cortex-M4 CPU with floating point, 1MB Flash, 256KB SRAM, 6KB EEPROM, Integrated 10/100 Ethernet MAC+PHY, data protection hardware, 8x 32-bit timers, dual 12-bit 2MSPS ADCs, motion control PWMs, USB H/D/O, and many additional serial communication interfaces
- Dual, stackable BoosterPack XL connection sites
- Cloud-based, Exosite QuickStart Application
- TivaWare 2.1
- On-board, in-circuit debug interface (ICDI)
- Multiple development tool chain support: CCS, Keil, IAR, Mentor & GCC

## What's Included

- Tiva C Series Connected LaunchPad evaluation board (EK-TM4C1294XL PCBA w/MCU)
- Retractable Ethernet cable
- USB debug cable
- Read Me First instructions
- Free EK-TM4C1294XL TivaWare for C Series software downloads

Click [here](#) for the Connected LaunchPad training workshop.

## Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
EK-TM4C1294XL: TM4C1294 Connected LaunchPad	\$19.99(USD) <a href="#">More Info</a>	Pricing may vary. <a href="#">Buy from distributor</a>	ACTIVE
Contact a Distributor	California	<input type="button" value="Go"/>	

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

## Technical Documents

### User Guides (1)


Title	Abstract	Type	Size (KB)	Date	Views
<a href="#">Tiva C Series TM4C1294 Connected LaunchPad Evaluation Kit (Rev. A)</a>		PDF	716	27 Mar 2014	5,590

### Selection Guides (1)




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

Title	Abstract	Type	Size (KB)	Date	Views
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## White Papers (1)

Title	Abstract	Type	Size (KB)	Date	Views
 <a href="#">Turning the Cloud into a Rainmaker (Rev. A)</a>		PDF	687	25 Apr 2014	1,334

## More Literature (3)

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="#">Meet the Tiva C Series TM4C1294</a>		PDF	1887	08 Jan 2014	2,234

## Related Products

## Software (2)

Name	Part Number	Software Type
<a href="#">Tiva C Series TM4C1294 Connected LaunchPad Software Packages</a>	SW-EK-TM4C1294XL	Application Software & Frameworks
<a href="#">TivaWare™ for C Series (Complete)</a>	SW-TM4C	Application Software & Frameworks

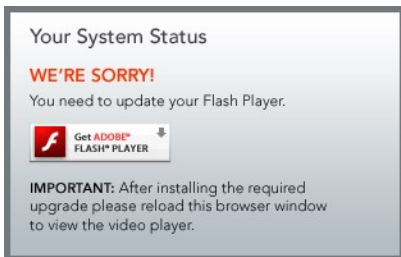
## Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
<a href="#">DK-TM4C129X Connected Development Kit</a>	DK-TM4C129X	Development Kits

## TI Devices (1)

Part Number	Name	Product Family
<a href="#">TM4C1294NCPDT</a>	Tiva C Series Microcontroller	Control + Automation

## Videos




### IoT Solutions with the Tiva C Series Connected LaunchPad: 11

These are voice over PowerPoint videos to support the workshop title above based on the EK-TM4C1294XL Connected LaunchPad. Chapter 11: USB.

**Posted:** 12-Mar-2014  
**Duration:** 06:12  
**Views:** 3212  
**Tags:** OLT, Stellaris, communications & telecom, microcontrollers, microcontroller, industrial, tiva arm c series, tiva c, TIVA, tiva c series, English  
[Click here to visit the wiki](#)

**Related Videos**



**Agenda**

Intro to TM4C Devices, LaunchPad and Cloud Services  
 Code Composer Studio  
 Initialization (GPIO and TivaWare™)  
 Ethernet Port  
 I2C  
 ADC and I2C  
 I2C Sensors  
 Memory  
 Interrupts  
 DMA  
 Low Power Modes  
 Graphics Library  
 USB Network

**Now Playing**

IoT Solutions with the Tiva C Series Connected LaunchPad: 11


## Support and Community

### Wikis

[Visit the TI Wiki](#)

Topics	Last modified
<a href="#">Creating IoT Solutions with the TM4C1294XL Connected LaunchPad Workshop</a>	05 Mar 2014 1:16 PM

## TI E2E™ community

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ask questions, share ideas and collaborate with fellow engineers and TI experts

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- [MSP430™ 16-bit Ultra Low Power MCUs](#)
- [Embedded Software](#)
- [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
<b><a href="#">Georgia Tech MOOC: Control of Mobile Robots</a></b> Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
<b><a href="#">SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series</a></b> Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
<b><a href="#">TI-RTOS Update</a></b> Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
<b><a href="#">Designing with Ultra Low Power Segmented Displays</a></b> Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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