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CC2540 Development Kit

(ACTIVE) CC2540DK

Description & Features

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Description

The CC2540 development kit provides a complete hardware performance test platform and generic software development environment for single-mode Bluetooth® low energy (BLE) applications. The kit includes two CC2540-based RF evaluation modules, one CC2540-based USB dongle, general purpose development boards (SmartRF05EB) for software and hardware prototyping, cables, antennas and documentation to get you up and running with the CC2540 quickly and easily.

The CC2540 evaluation modules can be plugged into the SmartRF05EB boards, which are included in the development kit. The evaluation modules can be used as reference modules for prototyping and for verifying the performance of the CC2540 RF IC.

SmartRF Studio and SmartRF Packet Sniffer can be used with the hardware in the kit for testing and debugging purposes. The evaluation boards has an in-circuit debug probe, so no additional hardware tools are required for debugging of software running on the CC2540.



CC2540DK, the CC2540 Development Kit, Top View

Features

Kit contents:

- 2 SmartRF05 Evaluation Boards (SmartRF05EB)
- 2 CC2540 Evaluation Modules (CC2540EM)
- 2 Pulse Antennas
- 1 CC2540 USB Dongle
- Cables

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
CC2540DK: CC2540 Development Kit	\$299.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE
Contact a Distributor	<input type="text" value="California"/> <input type="button" value="Go"/>		

TI's Standard Terms and Conditions for Evaluation Modules apply.

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
CC2540 Development Kit User's Guide (Rev. A)		PDF	2799	10 Jan 2012	2,702
SmartRF05EB User's Guide (Rev. A)		PDF	3726	03 Feb 2010	2,162

White Papers (2)

Title	Abstract	Type	Size (KB)	Date	Views
Wireless Connectivity For The Internet of Things, One Size Does Not Fit All		PDF	393	27 Jun 2014	10,030

Title	Abstract	Type	Size (KB)	Date	Views
Three Flavors of Bluetooth®: Which One to Choose?		PDF	322	25 Mar 2014	3,269

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
CC2540 Development Kit Quick Start Guide		PDF	677	17 Aug 2011	1,245

Related Products

Software (1)

Name	Part Number	Software Type
Bluetooth low energy software stack and tools	BLE-STACK	Software Libraries

Development Tools (3)

Name	Part Number	Tool Type
SmartRF Flash Programmer	FLASH-PROGRAMMER	Flash Programming Tools
SmartRF Protocol Packet Sniffer	PACKET-SNIFFER	Calculation Tools
SmartRF Studio	SMARTRFM-STUDIO	Calculation Tools

Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
CC2540 Mini Development Kit	CC2540DK-MINI	Development Kits

TI Devices (3)


Part Number	Name	Product Family
CC2540	SimpleLink Bluetooth Smart Wireless MCU with USB	Wireless Connectivity
CC2540T	SimpleLink High Temperature Bluetooth Smart Wireless MCU	Wireless Connectivity
CC2541	SimpleLink Bluetooth Smart and Proprietary Wireless MCU	Wireless Connectivity

Videos

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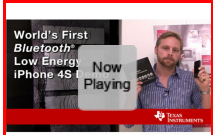
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Worlds first Bluetooth low energy iPhone 4S demo

Experience the world's first demonstration of a Bluetooth low energy application running on the iPhone 4S. Brought to you by Texas Instruments. Download the iOS application source code.


Posted: 01-Nov-2011
Duration: 02:14
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www.ti.com/bluetoothlowenergy

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Training & events

Name	Type	Available During
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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