

CC2510 Mini Development Kit

(ACTIVE) CC2510DK-MINI

 Description & Features

 Technical Documents

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Description

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The CC2510 Mini Development kit is an inexpensive and flexible development platform for TI's CC2510Fx RF System-on-Chip solution. The CC2510Fx features a 26MHz single-cycle 8051 microcontroller with integrated CC2500 RF transceiver, FLASH, RAM, 5 DMA channels, ADC, PWM, UART, SPI, I2S, 4 timers, and 21 GPIO pins. This kit is all you need to build a prototype of a wireless sensor node application!

The target board in this kit is very close to a real product and features:

- PCB antenna pre-tested for ETSI and FCC compliance
- battery holders for 2x AAA or 1x CR2032 coincell operation
- footprint for 2.54 mm connector connected to CC2510Fx GPIO pins
- 2 buttons & 2 LEDs for simple application development
- pre-programmed with Link Test for RF range measurement
- [SmartRF Studio](#) and [Packet Sniffer](#) runs on the board in combination with the CC Debugger (included in the kit)

Even TI engineers are surprised by the long RF range achieved by the Mini Development kit, we hope you will share your experience on the [TI E2E LPRF Community](#)!

Features

The Mini Development kit includes:

- 2 x SmartRFCC2510 target boards
- 1 x CC Debugger
- 1 x 10- pin flat cable with 2x5 2.54 mm connector
- 1 x 10-pin flat cable with 2x5 1.27 mm connector
- 1 x Converter board 2.54 mm to 1.27 mm connector
- 1 x Mini USB cable
- Batteries
- CD with Evaluation Version of the [IAR EW8051](#) (a free 16kb kickstart version is also available for full evaluation of [SimpliciTI software](#))
- Documentation

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
CC2510DK-MINI: CC2510 Mini Development Kit	In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE
Contact a Distributor	California	Go	

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Technical Documents

Application Notes (1)

Title	Abstract	Type	Size (KB)	Date	Views
 DN118 -- Porting Simpliciti to the SmartRF CCxx10 Target Board	Read Abstract	PDF	308	01 Dec 2009	1,100

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
 CC1110 and CC2510 Mini Development Kit User's Guide (Rev. A)		PDF	2302	17 Nov 2009	694
 CC1110 and CC2510 Mini DK Software Example User's Guide		PDF	645	02 Sep 2009	287

Design Files (1)

Title	Abstract	Type	Size (KB)	Date	Views
SmartRF CC2510 Target Board Reference Design		ZIP	592	23 Sep 2009	102

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
 CC2510 Mini Development Kit Quick Start Guide (Rev. A)		PDF	190	17 Nov 2009	128

Related Products

Software (1)

 [CC1110 and CC2510 Mini DK Software Example](#)
(ZIP, 210 KB) 270 views, 02 Sep 2009

Development Tools (4)

Name	Part Number	Tool Type
Debugger and Programmer for RF System-on-Chips	CC-DEBUGGER	JTAG Emulators/ Analyzers
SmartRF Flash Programmer	FLASH-PROGRAMMER	Flash Programming Tools
SmartRF Protocol Packet Sniffer	PACKET-SNIFFER	Calculation Tools
SmartRF Studio	SMARTRFTM-STUDIO	Calculation Tools

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Design Kits & Evaluation Modules (2)

Name	Part Number	Tool Type
CC1110 Mini Development Kit 868/915 MHz	CC1110DK-MINI-868	Development Kits
CC2510/CC2511 Development Kit	CC2510-CC2511DK	Development Kits

TI Devices (2)

Part Number	Name	Product Family
CC2510	2.4-GHz Radio Transceiver, 8051 MCU, and 16KB or 32 KB Memory	Wireless Connectivity
CC2510F8	2.4 GHz Radio Transceiver, 8051 MCU and 8 kB Flash memory	Wireless Connectivity

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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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