

(ACTIVE) CC1110DK-MINI-868

Description & Features

Technical Documents

Support & Community

Order Now

The CC1110 Mini Development kit is an inexpensive and flexible development platform for TI's CC1110Fx RF System-on-Chip solution. The CC1110Fx features a 26MHz single-cycle 8051 microcontroller with integrated CC1101 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 coin cell operation
- footprint for 2.54 mm connector connected to CC1110Fx 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](#)!

The Mini Development kit includes:

- 2 x SmartRFCC1110-868 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

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
CC1110DK-MINI-868: CC1110 Mini Development Kit 868/915 MHz	In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE
Contact a Distributor Florida Go			

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

Application Notes (1)

Title	Abstract	Type	Size (KB)	Date	Views
 DN118 -- Porting SimplicTI 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 CC1110 Target Board Reference Design		ZIP	642	23 Sep 2009	155

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
 CC1110 Mini Development Kit 868-915 MHz Quick Start Guide (Rev. A)		PDF	186	17 Nov 2009	304

Related Products

Software (2)

Name	Part Number	Software Type
SimpliciTI Compliant Protocol Stack	SIMPLICITI	Software Libraries

 [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

[Show More](#)

Design Kits & Evaluation Modules (2)

Name	Part Number	Tool Type
CC1110 and CC1111 Development Kit	CC1110-CC1111DK	Evaluation Modules & Boards
CC2510 Mini Development Kit	CC2510DK-MINI	Development Kits

TI Devices (1)

Part Number	Name	Product Family
CC1110-CC1111	Sub-1 GHz wireless MCU with up to 32 kB Flash memory	Wireless Connectivity

Support and Community

Wikis

[Visit the TI Wiki](#)

TI E2E™ community



As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

Engage in the Community

[• Amplifiers](#)
[• Broadband RF/IF & Digital Radio](#)
[• Clocks & Timers](#)

[• Data Converters](#)
[• DLP® & MEMS](#)
[• Interface](#)

[• Logic](#)
[• Power Management](#)
[• Wireless Connectivity](#)

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

Customer Tags



Most Popular Tags for CC1110DK-MINI-868:

- 8051 (1)
- 868mhz (1)
- pcb antenna (1)
- rf kit (1)

View All Tags

Create a Tag

Your History

Products You Recently Viewed

There are no items in your history.