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CC110L RF BoosterPack

(ACTIVE) 430BOOST-CC110L

📄 **Description & Features**   ⬇ **Technical Documents**   💬 **Support & Training**   🛒 **Order Now**

RF BoosterPack with the CC110L module from Anaren

Description

The CC110L RF BoosterPack is a low-power wireless transceiver extension kit for use with the Texas Instruments MSP-EXP430G2 LaunchPad development kit. Based on the CC110L device, the on-board Anaren Integrated Radio (AIR) A110LR09A radio module with integrated antenna operates in the European 868-870MHz and -928MHz ISM bands. The included software application, called AIR BoosterStack, demonstrates an example sensor network as well as network status reporting.

Download updated and additional documentation and software from Anaren.

NB! Note that you will need **two** MSP430 LaunchPad kits **in addition** to this kit in order to use the hardware as described in the Quick Start Guide.

Features

CC110L RF BoosterPack Hardware Features:

• 1.8 to 3.6 V operation

• Low power consumption

• SPI interface between RF module and MSP430

• Prototyping area

• Footprints for adding a microcontroller, pushbutton switch, and LED for standalone operation

• ROHS and REACH compliant

• Module is ETSI compliant and FCC/IC certified

• See A110LR09x Users Manual and CC110L datasheet for radio specific features

AIR BoosterStack Software Features:

• Low-power temperature sensor application

• Star network topology with one hub node and up to four sensor nodes

• Graphical User Interface provides network control and displays key radio parameters

• Ability to change radio settings locally and/or remotely

• Remote control feature to turn on/off LaunchPad green LED

• Node ID, operating state, and radio settings restored at power-up

Kit Contents:

• Two CC110L RF BoosterPack boards

• Two MSP430G2553 devices (preloaded with a sample program)

• Quick Start Guide

• CD with software and documentation

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
430BOOST-CC110L: CC110L RF Module BoosterPack	(USD) In Stock **Typically Ships in 1 to 3 Business Days** In Stock **Typically Ships in 1 to 3 Business Days** Buy from TI	Pricing may vary. Buy from distributor	ACTIVE

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Technical Documents

Application notes (1)

Title	Abstract	Type	Size (KB)	Date	Views
📄 CC112x-CC1190 Boost Software Examples	Read Abstract	Multiple Files		19 Oct 2015	2,676

Selection guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
📄 Lift-off with the LaunchPad Development Ecosystem (Rev. B)		PDF	10478	25 Sep 2015	7,308

More literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
📄 CC110L BoosterPack Quick Start Guide (Rev. B)		PDF	1146	19 Dec 2011	553

Related Products

Development Tools (1)

Name	Part Number	Tool Type
GCC - Open Source Compiler for MSP Microcontrollers	MSP430-GCC-OPENSOURCE	SW Development Tools, IDEs, Compilers

Design Kits & Evaluation Modules (1)

Name	Part Number	Tool Type
MSP430 LaunchPad Value Line Development kit	MSP-EXP430G2	Evaluation Modules & Boards

TI Devices (33)

Part Number ⇅	Name	Product Family ⇅
CC110L	Value Line Transceiver	Companion Wireless Solutions
MSP430F5529	16-Bit Ultra-Low-Power Microcontroller, 128KB Flash, 8KB RAM, USB, 12Bit ADC, CIs, 32Bit HW MPY	MSP430 ultra-low-power MCUs
MSP430G2132	MSP430G2x32, MSP430G2x02 Mixed Signal Microcontroller	MSP430 ultra-low-power MCUs
MSP430G2152	MSP430G2x52, MSP430G2x12 Mixed Signal Microcontroller	MSP430 ultra-low-power MCUs
MSP430G2153	MSP430G2x53, MSP430G2x13 Mixed Signal Microcontroller	MSP430 ultra-low-power MCUs

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Linux Board Porting Series - Module 6 - Building U-boot in CCS

The "Linux Board Porting" online series is comprised of nine, 10-minute modules (3 Lecture and 6 Lab) that provide an introduction to porting U-boot and the Linux Kernel to custom hardware platforms.This series

Posted: 28-Oct-2013

Duration: 08:09

Views: 902

Be sure to watch Module 7 of the Sitara Linux Board Porting Series!

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