

CC110L RF BoosterPack



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 US 902-928MHz 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.

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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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