

BoosterPack Ecosystem

BoosterPack plug-in modules plug into the header pins on the LaunchPad to allow you to explore different applications that your favorite TI MCU can enable. There is a broad range of application-specific and general purpose BoosterPacks available from both Texas Instruments and third parties. Stack multiple BoosterPacks on a single LaunchPad to greatly enhance the functionality of your design. BoosterPacks include:

- Displays
- Environmental Sensing

>>See them all @ ti.com/boosterpacks

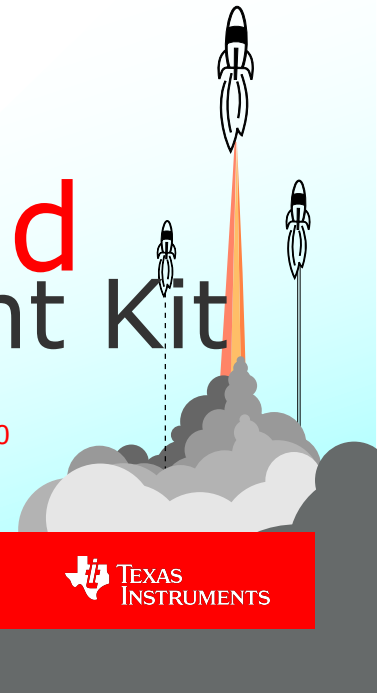


Meet the
CC2650

LaunchPad Development Kit

Part Number: LAUNCHXL-CC2650

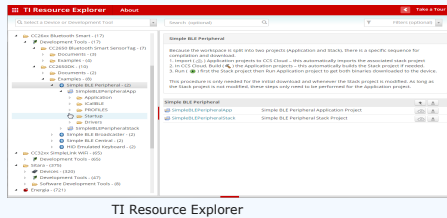
Getting Started: dev.ti.com/launchxl-cc2650



Software Tools

dev.ti.com/launchxl-cc2650

Professional Software tools
LaunchPad is also supported by professional IDEs that provide industrial-grade features and full debug-capability. Set breakpoints, watch variables & more

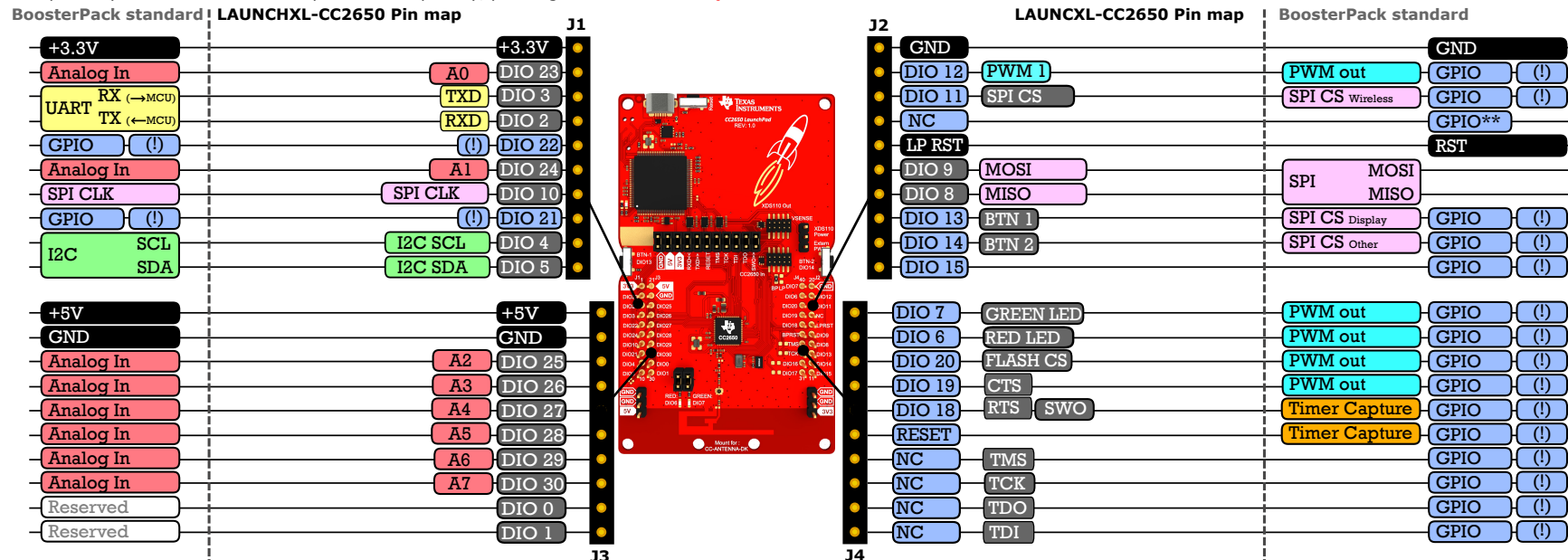


© 2015 Texas Instruments Incorporated. The platform bar, SmartRF, and Code Composer Studio are trademarks of Texas Instruments. All other trademarks are the property of their respective owners.

Below are the pins exposed @ the CC2650 LaunchPad BoosterPack connector

Also shown are functions that map with the BoosterPack pinout standard. Refer to the CC2650 Datasheet for additional details.
NOTE: Some LaunchPads & BoosterPacks do not comply 100% with the standard, so please check your specific LaunchPad to ensure pin compatibility. For information about pins and compatibility, please go to: dev.ti.com/bpchecker

(!) Denotes I/O pins that are interrupt-capable
** Some LaunchPads do not have a GPIO here



- Code examples
- Open Source Design Files
- Documentation
- Example projects
- Videos
- Tutorials
- Other TI products

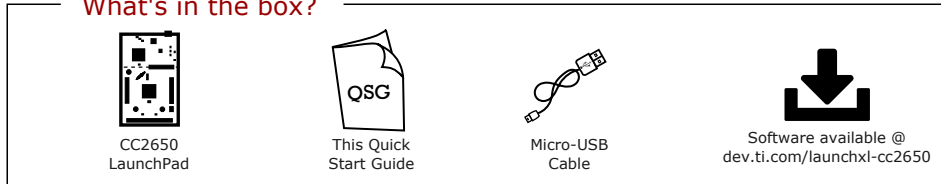
Resources @
ti.com/launchpad

A closer look at your new LaunchPad Development Kit

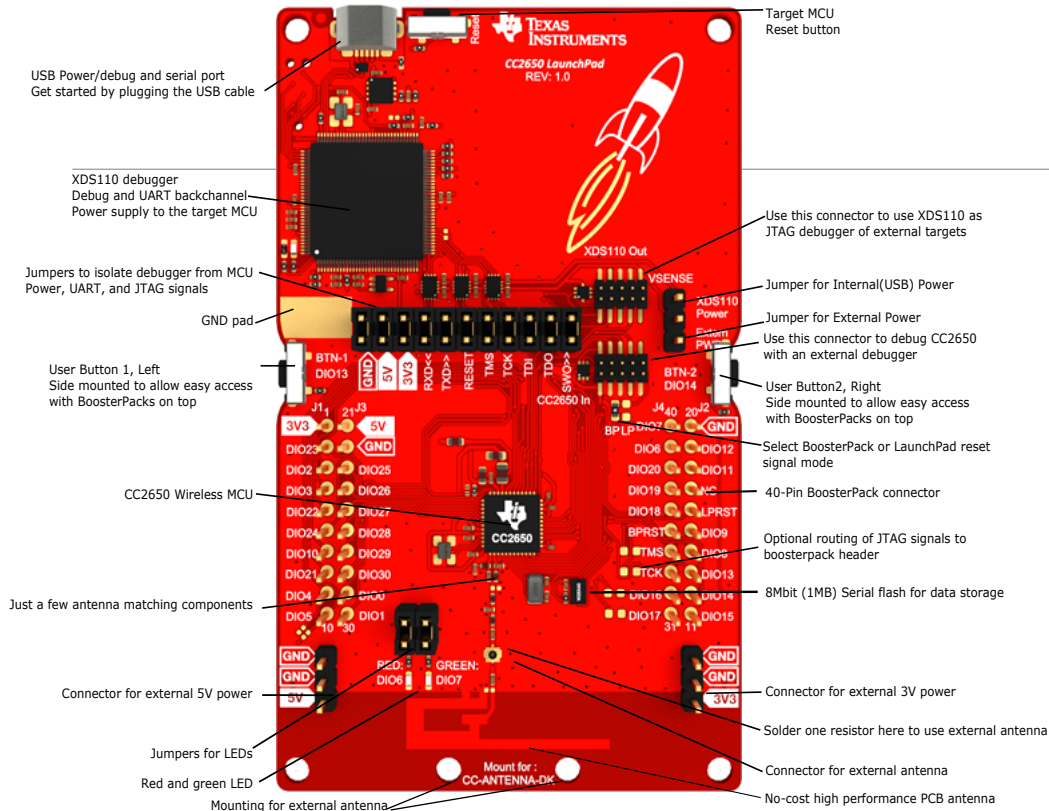
Featured wireless MCU:

CC2650: Low-power, multi-protocol, 2.4GHz wireless MCU

What's in the box?



CC2650 Launchpad Overview



Out-of-box

Find more information @ dev.ti.com/launchxl-cc2650

0. For rev 1.1 of the LaunchPad only

Go to dev.ti.com/launchxl-cc2650 and upgrade the firmware via USB before using the LaunchPad with the Simplelink Starter app

1. Download the LaunchPad iOS or Android app

Download the **Simplelink Starter** app from App Store or Google Play



2. Connect to the computer or USB power

Connect the LaunchPad using the included USB cable to a computer or USB power supply. Open the Launchpad app on your phone and press once the Right/BTN-2 button on the LaunchPad to start advertising Bluetooth Smart data to the phone. The green LED will flash while advertising. The LaunchPad will show up on the device list in the app, select the LaunchPad in the device list to connect.

3. The LaunchPad mission control

In the LaunchPad app you can control the LEDs, see the state of the buttons, send data to the UART, and control the I/O signals on the LaunchPad headers. If you connect an LCD BoosterPack you can write text to the LCD from the phone.

4. Move LaunchPad mission control to the Cloud

Follow the cloud view link in LaunchPad mission control to connect your LaunchPad to the cloud view. With the cloud view you can control your LaunchPad from any web browser in minutes after setting it up. You can control all I/O signals on the LaunchPad header or read analog inputs from external sources

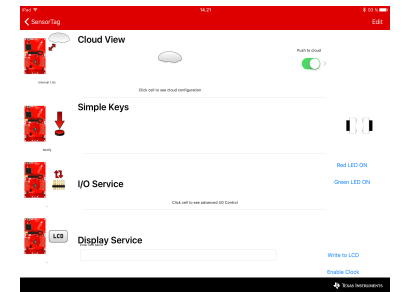
Simplelink Starter iOS/Android app

Control your LaunchPad

Control LEDs, read buttons
Control the LaunchPad I/O signals using the LaunchPad App

Over-the-Air upgrade

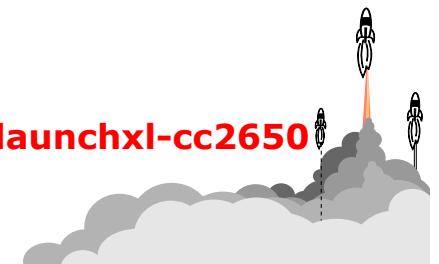
Upgrade your LaunchPad from the LaunchPad app and enable your own own upgradable products



Ready to Learn More?

- Documentation
- TI RTOS Drivers
- Bluetooth Smart Code Examples
- Application Notes
- Design Files
- and more!

dev.ti.com/launchxl-cc2650



IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46, latest issue, and to discontinue any product or service per JESD48, latest issue. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products (also referred to herein as "components") are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI's terms and conditions of sale of semiconductor products. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI components or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of significant portions of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Products

Audio	www.ti.com/audio
Amplifiers	amplifier.ti.com
Data Converters	dataconverter.ti.com
DLP® Products	www.dlp.com
DSP	dsp.ti.com
Clocks and Timers	www.ti.com/clocks
Interface	interface.ti.com
Logic	logic.ti.com
Power Mgmt	power.ti.com
Microcontrollers	microcontroller.ti.com
RFID	www.ti-rfid.com
OMAP Applications Processors	www.ti.com/omap
Wireless Connectivity	www.ti.com/wirelessconnectivity

Applications

Automotive and Transportation	www.ti.com/automotive
Communications and Telecom	www.ti.com/communications
Computers and Peripherals	www.ti.com/computers
Consumer Electronics	www.ti.com/consumer-apps
Energy and Lighting	www.ti.com/energy
Industrial	www.ti.com/industrial
Medical	www.ti.com/medical
Security	www.ti.com/security
Space, Avionics and Defense	www.ti.com/space-avionics-defense
Video and Imaging	www.ti.com/video

TI E2E Community

e2e.ti.com