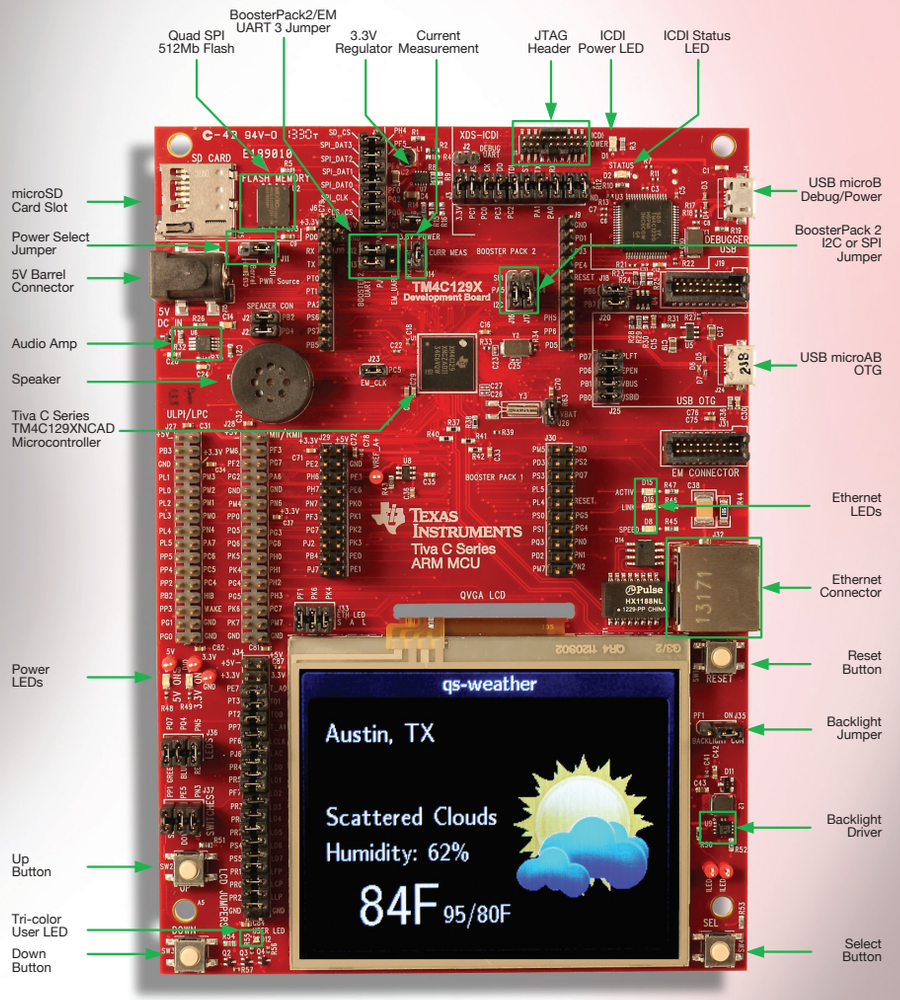
Welcome to the Tiva™ C Series DK-TM4C129X

TEXAS INSTRUMENTS



Additional Resources

www.ti.com/dk-tm4c129x

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Tiva™ DK-TM4C129X Getting Started Guide

TEXAS INSTRUMENTS

Welcome to the Tiva C Series DK-TM4C129X Development Kit. The DK-TM4C129X is a complete development platform that provides everything you need to develop applications for the Tiva C Series TM4C129x microcontrollers.

1. Board Setup

Install Power Select jumper J11 (top left corner) to the In-Circuit Debug Interface (ICDI) for debug power select mode. Connect one of the included USB Micro-B plug to USB-A plug cables from a Windows-enabled PC to the ICDI Debug USB Port (top right corner) on the Tiva TM4C129X development kit. This USB port provides JTAG debug and Virtual COM Port connectivity via the ICDI.

Note: If the Found New Hardware dialog box appears on your PC, ignore it until it is time to install the drivers.

2. Quickstart Application

The DK-TM4C129X comes preprogrammed with the weather display quickstart application. This application demonstrates the Ethernet controller and the QVGA touch screen. When you connect the Ethernet cable, you should see the red LED to the left and slightly above the Ethernet connector turn on to indicate that a connection is established. The green Ethernet LED blinks to show activity, while the amber LED lights to indicate 100BaseT Ethernet speed. Weather information is obtained from Open Weather Map (**http://openweathermap.org/**), and it may take a minute or two before all city information is loaded. You can view the current weather conditions and forecasted high and low temperature for 30 pre-selected international cities using a left-right or right-left swipe motion. Swipe top to bottom to type in the name of another city or a proxy server name using the touch screen keyboard. You can also select degrees Fahrenheit or degrees Celsius. Swipe bottom to top to return to the weather data screen. On the weather data screen, you can also do a quick tap to bring up navigational arrows that you can tap to switch screens.

3. Software, Drivers, and Documentation

Insert the USB flash drive into your PC. Read and follow the instructions in the Read Me First file located on the USB flash drive to install the TivaWare™ software library and the ICDI drivers. Documentation can be found in the /Documentation folder. IDE tools and the LMFlash Programmer tool can be found in the /Tools folder. For additional assistance, or if you have any questions, please visit the Tiva C Series e2e forums at **http://e2e.ti.com**.

4. Further Reading

When you are ready, take a look at the other examples for the DK-TM4C129X installed as part of TivaWare to C:/ti/TivaWare_C_Series-<revision#>/examples/boards/dk-tm4c129x/.

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