

**CC3200-LAUNCHXL Operating Description:**

The CC3200-LAUNCHXL is an evaluation board for the CC3200 device from Texas Instruments. The CC3200 device is an ARM Cortex M4 microcontroller with an on-chip 802.11bgn Wi-Fi Network Processor. The ARM Cortex M4 microcontroller is available for application development and therefore allows a single chip embedded Wi-Fi solution. The CC3200-LAUNCHXL evaluation board allows a developer to evaluate the CC3200 and to execute application code on the on-chip microcontroller. The CC3200-LAUNCHXL interfaces to a PC host using a USB cable.

The CC3200-LAUNCHXL evaluation board comes with a software development kit that allows the developer to write and execute application code to evaluate the Wi-Fi function and features of the CC3200 device. The user can also execute application code written for their specific application. The code is downloaded to the CC3200-LAUNCHXL in board flash memory through the USB cable. The on-chip microcontroller executes this code and can issue high level commands and associated data to the on-chip 802.11 bgn Wi-Fi Network processor. The on-chip 802.11 bgn Wi-Fi Network processor will then translate the commands and data into the associated 802.11 bgn Wi-Fi protocol and transmit using the on board antenna or through an optional cable connector for conductive testing.