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The CC3000 requires almost 300mA peak, and my regulator was current limiting below that level. So when the CC3000 started authenticating with my Wi-Fi network, the voltage would evidently

droop, leaving the CC3000 in a weird state that would jam my 2.4GHz devices (e.g. my wife's Wi-Fi connection downstairs, and my Bluetooth track pad). Unplugging the CC3000 was the only way to stop the interference, as the CC3000's SPI interface became unresponsive due to the insufficient current.

CC3000 Basic WiFi Host | Embedded Funk

The CC3000 is available from Adafruit As a Breakout Board, and as an Arduino Shield. Both the shield and the breakout board have an onboard 3.3V regulator that can handle the 350mA peak current, and a level shifter to allow 3 or 5V logic level.

The CC3000 Host Driver Overview document Network programming Changing WLAN access point (AP) parameters Environment Setup Connecting the CC3000 Device to a PC . Connect the CC3000 BoosterPack to the MSP-EXP430G2-Launchpad board. Connect the USB miniport on the MSP-EXP430G2-Launchpad

board to a PC.

The initialisation is OK, I follow cc3000 Host Programming guide, so I supply the cc3000 at 3.3v with enough power, i put Enable at High State, the IRQ take 60ms to go high and down, and the chip select go down.

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With built-in security protocols, the CC3100 solution provides a robust and simple security experience. Additionally, the CC3100 device is a complete platform solution including various tools and software, sample applications, user and programming guides, reference designs and the TI E2E™ support community.

discussion on supporting the TI CC3000 WiFi module

As opposed to the Shield, the CC3000 Breakout Board contains just the CC3000 module, an antenna section, a voltage regulator, and a level shifter. It can work with any 3.3V or 5V logic microcontroller that can communicate via SPI.

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CC3000 - CC3100 SimpleLink Wi-Fi API Porting

The CC3000 Basic WiFi Host python script works basically in two modes: interactive console mode (invoked by " -c " or " -console " command line parameter) and scripter mode (invoked by " -f FILE " or " -file FILE " command line parameter). Only one of the two modes can be selected at one time.

[Resolved] CC3000 SPI Clock Polarity and Phase - Wi-Fi ... CC3000_Basic_Wi-Fi_example_application_for_Launchpad

According to the CC3000 Host Programming Guide, "The clock and phase settings for the SPI are CPHA 0 and CPOL 0, meaning that the data is sampled on the falling edge of the clock cycle." However, from what I've read about SPI clock and phase settings for CPHA and CPOL, like the below from Wikipedia as well as my MCU's data sheet, CPHA=0 and CPOL=0 mean data is sampled on the clock's rising edge.

CC3000 simple link - Wi-Fi - Wi-Fi - E2E™

TiWi SL (TI CC3000) WiFi module - General Discussion ...

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