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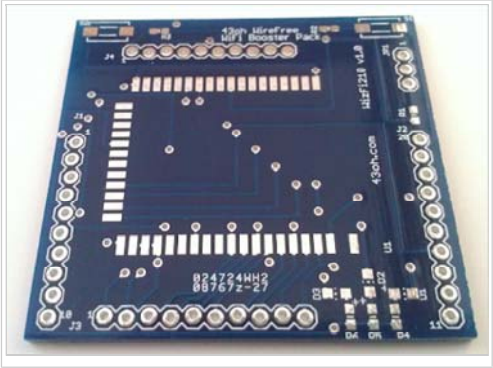
BoosterPack:WizFi210 WiFi

From The 43oh Library

The WireFree BoosterPack (http://store.43oh.com/index.php?route=product/product&product_id=108) allows you to connect the Wiznet WizFi210 WiFi chip to the Launchpad. The primary interface for this chip is via serial RS232 commands. The Wiznet WizFi210 WiFi module can be purchased at Wiznet (http://www.shopwiznet.com/wizfi210) or at this (http://www.saelig.com/whats_hot/BRD027.htm) link.



ID	The WireFree BoosterPack
Forum	43oh Forum Thread (http://forum.43oh.com/topic/1437-wiznet-wizfi210-wifi-wirefree-booster-pack/)
Versions	v1.0

Example	Connecting to Cosm (http://doc.43oh.com/AppNote:WizFi210_WiFi_Wirefree_BoosterPack_Cosm)

Contents

Features

- Fits the MSP430/Stellaris Launchpad.
- Current code supports the Stellaris Launchpad.
- Serial to WiFi Commands.

Downloads

Hardware	
v1.0 (http://store.43oh.com/download/uploads/WirefreeWiFiBoosterPack/schematic/43oh_WIZNET_WIZFi210_breakout_v1.0.pdf)	v1.0 (http://store.43oh.com/download/uploads/Wi

Connecting the WireFree BoosterPack to the Stellaris Launchpad

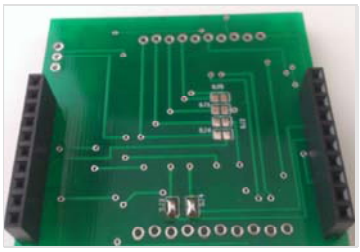
Step 1

Purchase the WizFi210 module from online vendors. You may get one from Wiznet (http://www.shopwiznet.com/wizfi210) or Saleig here (http://www.saelig.com/whats_hot/BRD027.htm). The WiFi BoosterPack PCB is can be purchased from the 43oh Store linked in the above table at the start of the page.

Step 2

- Solder 10-pin male or female header to the WireFree PCB on headers J1 and J2.

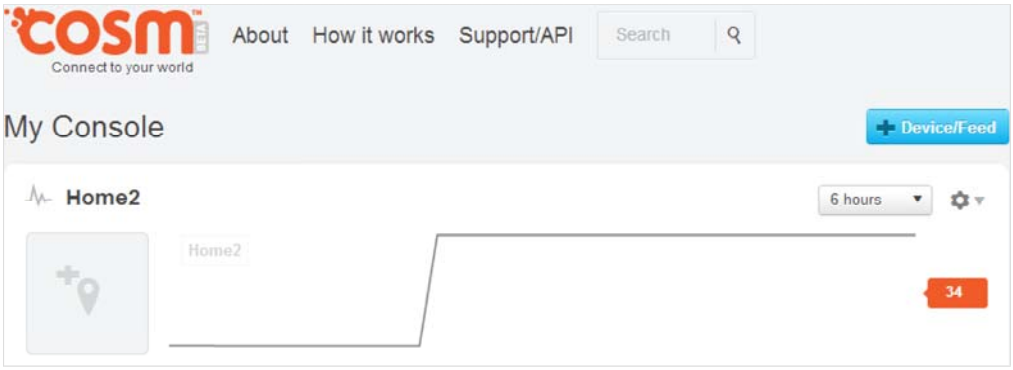
- Bridge solder joints SJ3 and SJ4 at the back of the board.
  - On the Stellaris Launchpad, they connect the WiFi serial lines to UART1 - PB0(RX) and PB1(TX) on the Stellaris micro-controller.
  - On the MSP430 Launchpad, they connect the WiFi serial lines to (P1.1)UCA0RXD and (P1.2)UCA0TXD on the MSP430G2553 micro-controller.



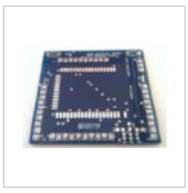
- No support components are needed to get the purchased module to work. Align the WizFi210 module as shown in the bottom picture and solder up the pads. Click the image below for a larger version.

Step 3

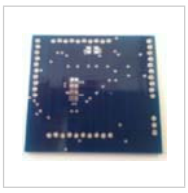
The linked example software above allows the WiFi BoosterPack to send data over to Cosm(formerly Paschube) (http://cosm.com). You can find the application note here (http://doc.43oh.com/AppNote:WizFi210_WiFi_Wirefree_BoosterPack_Cosm#Connecting_the_WireFree_WiFi_Boosterpack_to_Cosm).



Images



Wirefree BoosterPack Front



Wirefree BoosterPack Back

Stellaris Launchpad and WiFi Boosterpack