

FIXED

Yellow : wifi TX

Purple : wifi RX

Black : wifi GND

BROWN : wifi VCC

Orange : wifi ch\_pd (high)

RED : wifi rst (high)

Simple case:

Directly connected to RX and TX

Arduino(RX) connected to wifi RX (purple)

Arduino(TX) connected to wifi TX(yellow)

Debugging commands that needs to be executed:

**This is for Thingspeak:**

Cmds

AT+CIPMUX=0 # setting up for connections

AT+CIPSTART="TCP","184.106.153.149",80 # Type, IP Address, PORT

AT+CIPSTART="TCP","www.thingspeak.com",80 # with web address

AT+CIPSEND=44 # the string length that will be pushed

GET /update?key=**KOHYZVC94RQT24ES**&**field1=**50 # the values are pushed through the GET cmmd

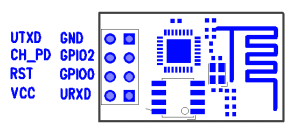
This is for google form: (Still work in progress)

AT+CIPSTART="TCP","www.docs.google.com",80

AT+CIPSTART="TCP","https://docs.google.com/forms",80

AT+CIPSEND=115

GET /formResponse?formkey=1GdarpPM-kCMG8adzeU3CfjlmYCxquuA0qjqrV0JuCEc&ifq&**entry.846661400=38**&**entry.1273312259=40**



**Using different pins to push the data and debugging the case.**

|  |  |  |
| --- | --- | --- |
| WIFI module | Color | Arduino |
| VCC | Brown | 3.3V |
| RST | Red | 3.3V |
| CH\_PD | Orange | 3.3V |
| VTXD (TX) | Yellow | 5 (RX) |
| GND | Black | 0 |
| GPIO2 | White |  |
| GPIO | Grey |  |
| VRXD (RX) | Purple | 6 (TX) |

Changes:

**Yellow: Arduino 10 (RX)**

**Purple: Arduino 11 (TX)**

**After RFID card**

**Yellow: Arduino 5 (RX)**

**Purple: Arduino 6 (TX)**

