**WiFi Radio**

A project may require to put some devices, like sensors or home appliances, on internet. WiFI Radio is the device which enables a user to connect such devices with the WiFi network. WiFi radio is the device that provides the user with an IEEE 802.11 interface, with the help of which a device can be connected to an IEEE 802.11 network.

**Key Features**

* Ultra-low power mode for battery operation
* Support for simultaneous client (STA) and access point (softAP) modes
* Supports Wi-Fi security types: Open, WEP, WPA, WPA2-AES and WPA2-mixed modes
* Support for IEEE 802.11 b/g/n/d/e/h/i/j standards
* Works on 2.412 - 2.484 GHz (Channels 1-13)
* Data rate up-to 10 Mbit/s
* Supports ARP, ICMP, DHCP client/server, DNS, NTP, SMTP  
  UDP, TCP, HTTP client/webserver
* Programmable transmission power +19dBm (11b max.), +16dBm (11g max.), +14dBm (11n max.)
* Low Power consumption:

Standby: 1.85 uA  
Sleep: 28 uA  
Wi-Fi Power-save: 0.77mA  
Active Rx: 6.9mA (1Mbit/s UDP)  
Active Tx: 12.5mA (1Mbit/s UDP)