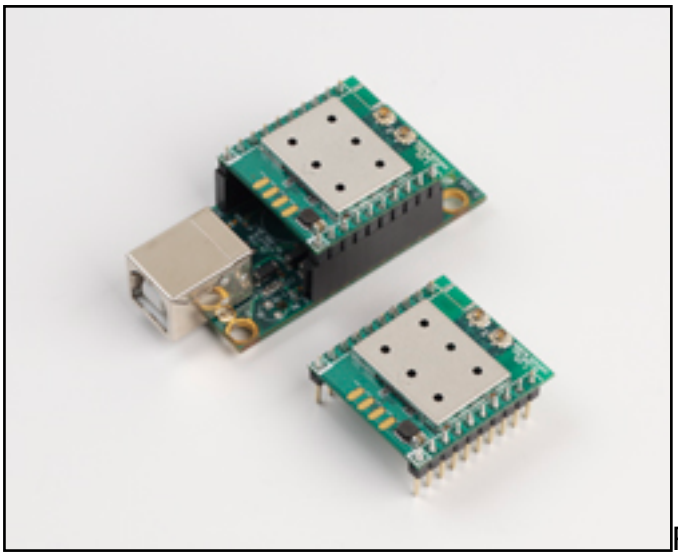
WiFi Modules Feature Soft AP Support For Easy Hot Spot Device Integration



Radicom Research announced the release of the WiFiHU2 series of USB WiFi modem modules. The WiFiHU2 modules provide WiFi connectivity through any processor-based device. With support for the latest wireless standards -- including 802.11b/g/n -- and USB 2.0 connectivity, the module offers next-generation WiFi transmission. The WiFiHU2 features reliable transmissions, protocol stack, and integrated 2TX/2RX MIMO antenna technology for maximum over-the-air throughput of 300 Mbps downstream and 300 Mbps upstream (PHY rates using 40MHz bandwidth). Optimal analog transceiver performance is achieved through fast receiver Automatic Gain Control (AGC) with synchronous and asynchronous control loops among antennas, antenna diversity functions, and adaptive transmit power control functions. Designed for industrial OEM use, the WiFiHU2 features low overall power consumption and extreme temperature capabilities (-40°C to +85°C), in a small footprint. WEP/WPA/WPA2 security protocols ensure host protection and firmware/configuration parameters are stored in on-board NVRAM. Soft AP support transforms any WiFiHU2 device into a WiFi wireless access point, allowing nearby WiFi devices (smartphones, tablet devices, etc.) to connect.to the internet.

Radicom’s WiFiHU2 series comes in two models: WiFiHU2-a and WiFiHU2-c. The WiFiHU2-a model enables a faster time-to-market with built-in dual-chip antennas, eliminating the need for costly and time-consuming RF development. The WiFiHU2-c model offers OEM design flexibility for antenna location using two U.FL connectors to attach antenna cables and antennas.

Radicom Research
408-383-9006, www.radi.com [1]

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[1] http://www.radi.com