

## **General Description**

### **Device Overall Description**

The wifi product of the FHX provides the highest level of integration and most aggressive BOM cost by integrating IEEE 802.11b/g and Bluetooth into a single MAC/Baseband chip utilizing a single 2.4GHz transceiver. Integrated on-chip power amplifier and LNA reduce external component count, while still able to deliver ample transmit power for most applications.

Wifi +Bluetooth product utilizes 3DSP's patent pending technologies to fundamentally solve the interference and performance issues existed during 802.11b/g and Bluetooth coexistence, thus improving both 802.11b/g and Bluetooth performance and link stability in real environment. As a result, it enhances user experience in a totally wireless environment, where all devices are connected wirelessly through either Bluetooth link or 802.11b/g link.

The single installation package allows for easy setup and configuration of both 802.11b/g and Bluetooth devices. Combined user interface is intuitive to use. Once configured, both wireless links operate transparently in the background.

### **Features**

- Single-band 2.4GHz 802.11b/g with up to 54Mbps data rate
- Bluetooth compliant
- Single installation package for both WLAN and Bluetooth device setup
- Single user interface for both WLAN and Bluetooth device configuration and operation
- Programmable DSP based solution easily upgradable to future standards as well as supporting additional wireless technologies such as ULP Bluetooth, High-speed Bluetooth
- Host Interface supports PCI-E