

AMPAK

GB86302F0

WiFi+Bluetooth 4.0(HS)+FM Tx/Rx

SIP Module

Spec Sheet

2. Features

- 802.11b/g/n single-band radio
- Bluetooth V4.0(HS) with integrated Class 1 PA and Low Energy (BLE) support
- Concurrent Bluetooth, FM (RX) RDS/RBDS, and WLAN operation
- Single- and dual-antenna support
 - Simultaneous BT/WLAN receive with single antenna
 - Support for a 2×1 dual receiver system
- WLAN host interface options:
 - SDIO v2.0x (1-bit/4-bit) — up to 50 MHz clock rate
 - gSPI — up to 48 MHz clock rate
 - HSIC (USB device interface for short distance on-board applications)
- BT host digital interface:
 - UART (up to 4 Mbps)
- FM multiple audio routing options: I2S, PCM, eSCO, A2DP
- IEEE Co-existence technologies are integrated die solution
- ECI — enhanced coexistence support, ability to coordinate BT SCO transmissions around WLAN receives

A simplified block diagram of the module is depicted in the figure below.

