1. General Description

RTL8723BDU is a low-cost and low-profile of WiFi+BT combo module with 1.GA (Land-Grid Array) footprint, board size is 12*12mm with module height of 0.8mm. It can be easily manufactured on SMT process and highly suitable for tablet PC, ultra book, mobile device and consumer products.
It provides GSF/SDIO interface for WiFi to connect with host processor and high speed UART interface for BT. It also has a PCM interface for audio data transmission with direct link to external audio codec via BT controller. The WiFi throughput can up to 150Mbps in theory by using 1x1 802.11bgn MIMO technology and Bluetooth can support BT2.1+EDR/BT3.0 and BT4.0.

2. The range of applying

MID, networking camera, STB/GFX, E-book, Hard disk player, Network Radios, PSP and other device which need be supported by wireless networking.

3. Product Specification

3.1 Function Block diagram

32.768 KHz
40 MHz
Bluetooth Radio
Bluetooth Baseband
Bluetooth Controller
Bluetooth Host Interface
Bluetooth Coexistence Interface
Bluetooth Audio Interface
Bluetooth Power Management
Bluetooth Frequency Synthesizer
Bluetooth Transceiver
Bluetooth Power Amplifier
Bluetooth Low Noise Amplifier
Bluetooth Baseband Memory
Bluetooth Boot Rom
Bluetooth Clock Generator