

Overview

iW-SDIO WLAN Module helps the peripheral card vendors, device OEMs and ODMs in developing solutions independently, minimizing costs and mitigating the risks involved in developing an SD/SDIO Bus Driver architecture from scratch.

Features:

- ◆ Interface: Support SDIO 1.0
- ◆ Frequency: Fully integrated, 2.4 to 2.5Ghz band direct conversion transceiver
- ◆ IEEE802.11b/g Complaint
- ◆ 802.11j channel (Japan) supported
- ◆ 802.11i (AES, WEP and TKIP) compliant
- ◆ 802.11h (DFS/TPC) supported
- ◆ AES (128 bits/CCMP mode) supported
- ◆ WEP (64/128 bits) supported
- ◆ DSSS: DBPSK, DQPSK, CCK Modulation
- ◆ OFDM: BPSK, QPSK, 16QAM, 64QAM Modulation
- ◆ Data rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps
- ◆ Sensitivity: -88dBm 11Mbps sensitivity and -73dBm 54Mbps sensitivity
- ◆ Operating Channels: 1~14 channels
- ◆ Power Consumption: 160-170 mA (While web browsing)
- ◆ OS Support: Linux2.6.x, Win CE 5.0
- ◆ Dimension: 50x24x5mm
- ◆ Weight : 6g



Advantages:

- ◆ Saves on investment required for any additional software engineering efforts.
- ◆ Enable addition of SD/SDIO card support to embedded devices with minimal effort and time.
- ◆ Code re-use

Applications:

- ◆ 2G/2.5G/3G cellular phone
- ◆ Digital camera
- ◆ PDA
- ◆ MP3 player



About Us

iWave Systems Technologies is an embedded Hardware and Software Turnkey Design Services company, focused on providing integrated solutions for developing innovative products and systems in the areas of Communication, Consumer electronics and Multimedia. iWave offers complete turnkey solutions for systems engineering and product development.

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