General Description

This preliminary specification provides a general guideline on the performance and the integration of W2CBW009S, a complete wireless subsystem featuring full 802.11 b/g WLAN + BT capabilities in a small form factor module solution. Both radios are fully tested for coexistence, both internally and with other external radio technologies. A full menu of certifications will also be provided. Based on world-class silicon from Wi2Wi partner Marvell, the W2CBW009S has also been fully optimized for throughput and receive sensitivity through careful design practices. State-of-the art software development resources are also available to create drivers for unique processors and operating systems if needed.

Features

- Compact design for easy integration: 15mm x 15mm
- 76 pin module
- Bluetooth & WLAN technology is based on Marvell’s 88W8688
- Optimized RF and electrical design for better performance in co-existence with other wireless standards
- Operates in 2.4 GHz ISM band
- WEP, WPA, WPA2 (WiFi Protected Access)
- ROHS Compliant
- Fully integrated coexistence solution
- For Single Antenna application

Applications

- Warehousing and Logistics Handhelds
- Automotive Aftermarket
- Medical Equipment
- Industrial Handhelds
- Defense
- MIDs, UMPCs and Netbooks
- M2M Applications
- POS Terminals
- Internet-Enabled Consumer Devices
- VoFi and Other Smart Phones
- WiFi Enabled Security Cameras

Target Specifications

- Package Dimensions
  15mm x 15mm
- Power Ratings
  200mA
- Temperature Range
  -30°C to +70°C
- Interfaces - WiFi
  SDIO, GSPI
- Interfaces - BT
  UART
- Transmit Power
  WiFi up to 15dBm
  BT up to 10dBm (Higher than Class 2)
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Wi2Wi:
W2CBW009S-T  W2CBW009S-TR