

Wi2Wi, INC. Wireless / GPS Products and Multi-Radio



Wireless 2 Wireless

Wireless Solutions

Wi2Wi

WIRELESS PRODUCTS

W2SW0001 802.11 Module

The W2SW0001 System-in-Package (SiP) is a complete IEEE 802.11b/g radio solution. Unlike a typical module, the W2SW0001 includes all radio components, clocking and regulation for a complete WLAN radio subsystem. Integration of the W2SW0001 is a simple process of connecting our SiP to your product's interfaces, antenna port and single 3.3vdc power supply. Wi2Wi has developed SW drivers available for several processors and operating systems and other custom drivers can also be developed under a services agreement. Please check with Wi2Wi, Inc. Sales Representatives regarding pricing for SW Drivers.

Features:

- Small form factor SiP solution, 9.5mm x 9.5mm x 1.4mm, 81 Pin LGA, .75mm pitch
- Low power consumption and power save mode
- Full support for 802.11 e(QoS) and 802.11i (Security)
- Integrated RF-friendly LDO for single rail operation
- Integrated PA, EEPROM, Balun, and clocking

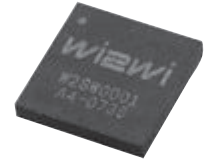
- Optimized front-end design for receive sensitivity
- Full driver support for popular OSs for processor family, Linux/WinCE support for many other ARM-9 based processors. Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers.
- Includes both an SDIO and GSPI interface



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2SW0001C	W2SW0001C	A	802.11b/g, SiP, LGA	29.35	26.08	23.48
648-W2SW0001-DEV	W2SW0001-DEV	-	Development Kit for W2SW0001	399.99	-	-



W2CBW003-T 802.11 Module

The W2CBW003 System-in-Package (SiP) is a complete IEEE 802.11b/g +Bluetooth™ radio solution. The W2CBW003 includes all radio components, clocking and regulation for a complete WLAN radio subsystem. Also included in our solution is Wi2Wi's coexistence solution for simultaneous operation of Wi-Fi™ and Bluetooth™ Radios. By selecting the W2CBW003, a developer can significantly reduce their development costs and the technical risks associated with coexistence.

Features:

- Small form factor SiP solution, 12mm x 12mm x 1.4mm, 100 Pin LGA, 1mm pitch
- Low power consumption and power save mode
- Full support for 802.11 e(QoS) and 802.11i (Security)
- Integrated RF-friendly LDO for single rail operation
- Integrated PA, EEPROM, Balun, and clocking

- Optimized front-end design for receive sensitivity, plus full coexistence support
- Full driver support for popular OSs for the Marvell PXA processor family, Linux support for many other ARM-9 based processors. Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers.
- Includes both an SDIO and a GSPI interface for Wi-Fi, and a UBS and UART interface for BT



RoHS Compliant

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MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2CBW003-DEV	W2CBW003-DEV	-	Development Kit for W2CBW003	399.99	-	-



NAVIGATION PRODUCTS

W2SG0006 GPS Module

The W2SG0006 is a high sensitivity, low power, SMD type 20-Channel L1 GPS receiver designed for portable applications. A complete radio receiver solution, the W2SG0006 is designed to allow quick and easy integration into standard or custom applications.

Features:

- Small form factor SMD solution, 15mm x 15mm x 2.5mm
- Low power consumption
- Format selectable output data: latitude, longitude, altitude, speed, heading, and time
- Uses NAVSTAR GPS L1 signal
- Allows use of either active or passive antenna
- Software accelerator included for improved sensitivity, satellite acquisition and tracking

- Front end optimized for insertion loss, amplifier cross coupling
- Includes TCXO and LNA power control
- Supports E911 mandate
- Dual UART host interface
- Support for NEMA and SIRF™ Protocols



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2SG0006-T	W2SG0006-T	B	SIRFStar III, Full Feature	42.35	35.28	30.68
648-W2SG0006-DEV	W2SG0006-DEV	-	Dev Kit for W2SG0006	399.99	-	-
648-W2SG0006-T	W2SG0006-T	-	SIRFStar III FULL FEATURE	42.35	35.28	30.68



W2SG0084 GPS Module

This specification provides a general guideline on the performance and the integration of the Wi2Wi Inc. 48 Channel GPS Receiver Module Solution. The new solder-down module, based on SIRF Star IV Chipset is a drop in replacement for the W2SG0004, is targeted to assist companies to easily integrate GPS functionally into their products. This is accomplished by reducing their development times and cost by using a complete, small form factor, low power, ready to integrate GPS Receiver System Solution.

Features:

- Pin Compatible Replacement for W2SG0004
- GPS technology based upon by the CSR/SIRF™ SIRFStar IV™
- Compact design for easy integration: 11.2mm x 12mm x 2.5mm
- Ultra-low power consumption

- High sensitivity navigation engine (PVT) tracks as low as -163dBm
- 50Q Antenna Launch
- 48 verification channel GPS receiver
- SBAS (WAAS or ENGOS) support



RoHS Compliant

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MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2SG0084I	W2SG0084I	C	GPS Receiver Module for SIRF Star IV	19.99	18.50	16.50
648-W2SG0084I-DEV	W2SG0084I-DEV	C	GPS SIRF Star IV Development Kit	124.99	-	-



MULTI-RADIO

The W2CBWG01 is a fully integrated 802.11 b/g WLAN, Bluetooth™ and GPS solutions designed specifically for ultra-mobile portable electronics. It has been integrated with Intel's Atom processor based Menlow platform for UMPC/MID market.

Features:

- Uses half height Mini-Card form factor
- Certified Bluetooth™ and Wi-Fi™ radio solution with coexistence
- Integrated ultra low power consumption GPS
- INTEL McCaslin platform I/O Pin Definition

Interfaces:

- SDIO 1.1 interface for 802.11 Wi-Fi™
- USB 2.0 Interface for Bluetooth™
- UART NMEA for GPS
- 50Ω Antenna Launch for each Radio
- Please check with Wi2Wi, Inc. Sales Representatives for pricing on SW Drivers.



RoHS Compliant

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MOUSER STOCK NO.	Wi2Wi, Inc. Part No.	Fig.	Description	Price Each		
				1	10	100
648-W2CBWG03	W2CBWG03	D	SDIO 802.11b/g USB Bluetooth™ v2.0+EDR	61.53	50.46	48.21

