

## Multi-Standard Module WLAN (802.11 b/g/n), Bluetooth®

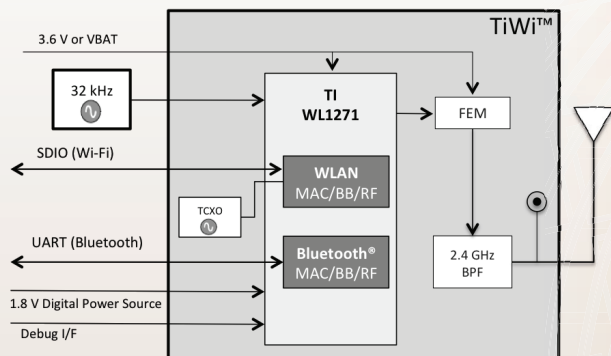
### TiWi KEY FEATURES

- Texas Instruments WiLink™ 6.0 WL1271 transceiver
- Bluetooth 2.1+EDR specification compliant to HCI level
- HW-based encryption/decryption
- Ideal for adding WLAN to OMAP35x and other popular multimedia processors



### TiWi SPECIFICATIONS

- Dimensions: 13 mm x 18 mm x 1.9 mm
- Operating temperature: -40 to +85° C
- FCC / IC certified
- ETSI EN 300 328 and EN 301 489 compliant
- 3.0 V to 4.8 V operation
- Power consumption:
  - 165 mA in transmit (65 Mbps OFDM(n))
  - 100 mA in receive
- SDIO and UART interfaces for WLAN and Bluetooth®
- U.FL connector for external antenna



### WLAN

- Output power
  - 20 dBm at 11 Mbps CCK
  - 14.5 dBm at 54 Mbps OFDM
- RF sensitivity
  - -89 dBm, 8% PER, 11 Mbps
  - -76 dBm, 10% PER, 54 Mbps

### BLUETOOTH

- Output power 9.5 dBm, above Class 2
- RF sensitivity up to -92 dBm, GFSK

### ALSO FROM LS RESEARCH

- Pre-certified antennas
- Custom antenna design services
- Full turnkey product development
- EMC certification and testing



## Additional LS Research Information & Support

LSR Homepage

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Support Forum

<http://forum.lsr.com>

TiWi™ Wiki

<http://wiki.lsr.com>

## Ordering Information

| Part Number | Description                         |
|-------------|-------------------------------------|
| 450-0037    | TiWi-R2 u.fl Module                 |
| 450-0037R   | TiWi-R2 u.fl Module, T&R            |
| 450-0052R   | TiWi-R2 RF Castellation Module, T&R |
| 001-0001    | 2.4 GHz Dipole Antenna              |
| 080-0001    | u.fl to SMA Bulkhead cable          |

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