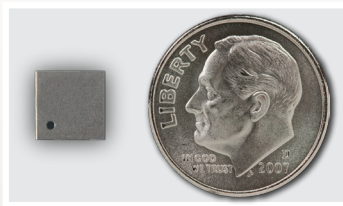


TiWi-uB2

Ultra Low Power *Bluetooth*® and BLE Module

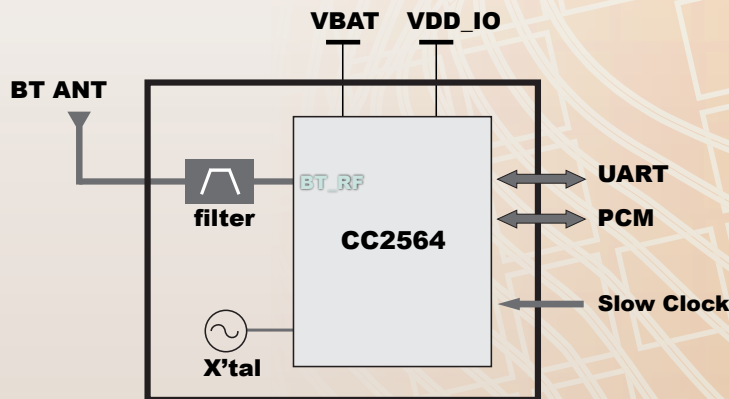
TiWi-uB2 KEY FEATURES

- Built in CC2564 single-chip *Bluetooth*® fully supports BT 2.1 + EDR, BLE 4.0
- Support for Class 1.5 applications
- Supports maximum *Bluetooth*® data rates over HCI and UART interfaces
- Supports multiple *Bluetooth*® profiles with enhanced QoS, both mono and stereo



TiWi-uB2 SPECIFICATIONS

- Dimensions: 7 mm x 7 mm x 1.5 mm
- Operating temperature: -30 to +85° C
- FCC / IC / *Bluetooth*® certified (pending)
- Power consumption:
 - 47.1 mA in transmit
 - 13.0 mA in receive
- Ultra Low Power Scan
- HCI, UART, and Audio PCM interfaces for *Bluetooth*®
- Output power +10 dBm
- RF sensitivity up to -93 dBm
- Supports multiple antenna options



ALSO FROM LS RESEARCH

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

Additional LS Research Information & Support

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www.lsr.com/design_services

RF Modules

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Support Forum

<http://forum.lsr.com>

TiWi™ Wiki

<http://wiki.lsr.com>

Ordering Information

Part Number	Description
450-0104	TiWi-uB2 Module (Tray)
450-0104R	TiWi-uB2 Module (Tape & Reel)
450-0105	TiWi-uB2 EM Board
001-0001	2.4 GHz Dipole Antenna
080-0001	U.FL to SMA Bulkhead Cable

These LSR products are all REACH and EU RoHS compliant

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