

SimpleLink™ Wi-Fi® CC3000 Module by LS Research

FEATURES

- **Embedded Wi-Fi and Networking Software Including Drivers, Stack, and Supplicant**
- **Best-in-class Link Budget:**
 - Tx Power: +20dBm at 11Mb-CCK
 - Rx Sensitivity: –89dBm at 11Mb-CCK
- **Compact Code Size (as low as 6KB Flash and 3KB RAM) Required for Host Microcontroller**
- **FCC/IC and Wi-Fi Certified, ETSI-tested, Production-ready Module Offered by LS Research**
- **U.FL with Dipole Antenna or Chip Antenna FCC/IC certified, ETSI-tested Design Guides Available**
- **Integrated TCXO and Power Management**
- **Small Form Factor Module (21mm x 14mm x 2.8mm)**
- **Full Industrial Temperature Range: (–40°C to 85°C)**
- **Proven Wi-Fi Interoperability**
- **Complete Platform Solution Including API Guide, Sample Applications, Support Community, User and Porting Guides are Provided by TI**
- **Antenna Design, Certification, Design Customization Available through LS Research**

APPLICATIONS

- **Automation**
- **Home Security / Surveillance**
- **Network Appliance**
- **Fitness / Health / Medical**

DESCRIPTION

The following product brief applies to the TiWi-SL – a highly-integrated Wi-Fi module offered by LS Research utilizing Texas Instruments' SimpleLink™ Wi-Fi CC3000.

The LS Research TiWi-SL module incorporating SimpleLink™ Wi-Fi CC3000, is a self-contained wireless solution that simplifies the process of implementing Internet connectivity. SimpleLink Wi-Fi minimizes host microcontroller (MCU) software requirements making it the ideal solution for embedded applications using any low-cost/low-power MCU.

The TiWi-SL is provided as a module by LS Research to reduce development time, lower manufacturing costs, save board space, ease certification, and minimize RF expertise required. Additionally, it is provided as a complete platform solution including software drivers, sample applications, API guide, user documentation and a world-class support community

The full specification of the TiWi-SL can be found on LS Research's website (www.lsr.com). More information on TI's wireless platform solutions for Wi-Fi can be found on TI's Wireless Connectivity Wiki (www.ti.com/connectivitywiki).

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