

SimpleLink™ Wi-Fi® CC3000 Module by Murata

FEATURES

- **Embedded Wi-Fi and Networking Software Including Drivers, Stack, and Suppliment**
- **WLAN: IEEE 802.11 b, g compliant**
- **Best-in-class Link Budget:**
 - Tx Power: +19.5dBm 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 Certification and ETSI Testing will be Conducted, Production-ready Module by Murata Available in 2Q 2012**
- **Chip Antenna FCC/IC Certified, ETSI-Tested Design Available**
- **Integrated Crystal and Power Management**
- **Small Form Factor Module (16.5mm x 11.5mm x 2.2mm)**
- **Operating Temperature Range: (–30°C to 70°C)**
- **Proven Wi-Fi Interoperability**
- **Complete Platform Solution Including API Guide, Sample Applications, Support Community, User and Porting Guides are Provided by TI**

APPLICATIONS

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

DESCRIPTION

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

The Murata TypeVK 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 TypeVK is provided as a module by Murata 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 TypeVK can be found on Murata's website (www.murata-ws.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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