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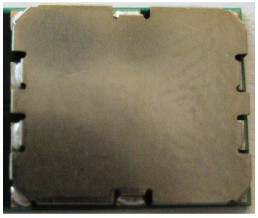
Murata Wireless Solutions



Type VK – WiFi Module

Module Part Number: LBWA1ZZVK7- 539

PRODUCT BRIEF

Description

The Type VK module is based on Texas Instruments CC3000 chipset supporting the IEEE802.11 b/g standard for WiFi connectivity. Type VK is part of the broad market series targeting a wide range of consumer applications and available through distribution partners.

The module is pre-integrated with several Texas Instruments low power and low cost microcontrollers beginning with the MSP430 and Stellaris families. Pre-integration facilitates rapid customer design cycles. Support for other microcontrollers is listed on the TI wiki-pages website.

The unique benefit provided to the customer is an essentially host-less module in terms of the wireless LAN driver, supplicant, and firmware, which all reside on-module. The module can quickly and easily interface to low MIP microcontrollers.

Features

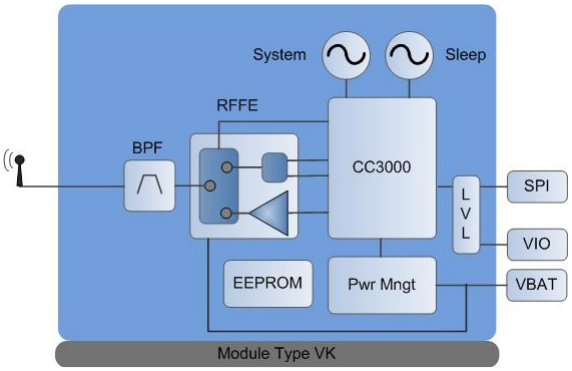
- IEEE 802.11 b/g
- SPI serial interface
- FCC Certification on EM Board daughter card

Applications

- Home appliances
- Sensors / meters / displays
- Fitness equipment

This module integrates the WiFi chipset, RF front end, band pass filter, fast clock & sleep clock, EEPROM, power management and level shifters.

The Type VK module is also supplied on the EM daughter board for quick plug-in and adoption to development platforms. Daughter board part number: LBWA1ZZVK7-539-D.



Characteristics

Chipset	CC3000
Protocol	IEEE 802.11 b/g
Supply voltage	2.7 to 4.3 Vdc for VBAT
Interface voltage	1.8 to 3.3Vdc for VIO
Operating Temperature	-20 to +70 deg C
Dimensions	16.5 x 11.5 x 2.2mm max
Package	LGA
WLAN RF Power	+15dBm typ. 54Mbps +19.5dBm typ. 11Mbps
WLAN Sensitivity	-69dBm typ. 54Mbps -88dBm typ. 11Mbps
Host Interface	SPI
Driver / Firmware	Resident on-module

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