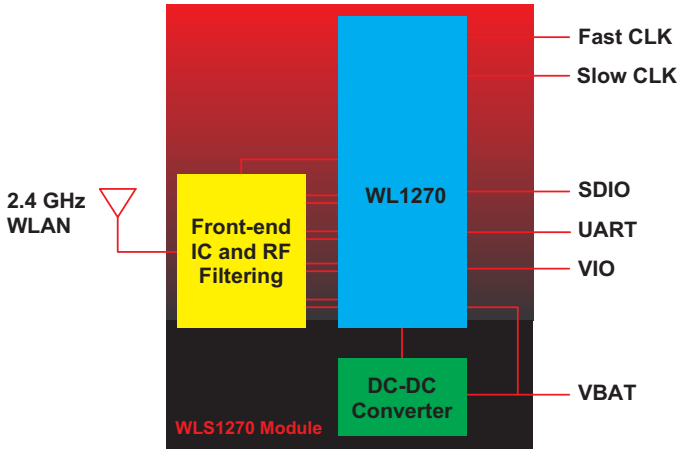
WLS1270 Wireless Module
Product Brief





Overview

The WLS1270 is an ultra-small 2.4 GHz WLAN module. It includes TI's WL1270 SoC, high-efficiency RF front-end circuits, and a DC-DC converter. The module is designed to fit into small spaces, with minimal external circuitry required to complete a radio design. Software is available for Linux and Android.

Features

- Chipset: Texas Instruments WL1270
- Size: 9 x 8 x 1.4 mm maximum
- IEEE 802.11 b/g and 11n compliant
- IEEE 802.11d,e,h,i,k,r,s compliant
- Embedded ARM microprocessor
- SDIO host interface for WLAN
- Lead-free module construction

Ordering Information

- Evaluation Kit: DR-WLS1270-EV



WLAN

- Data Rates:
  802.11n: 65, 58.5, 52, 39, 26, 19.5, 13, 6.5 Mbps
  802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
  802.11b: 11, 5.5, 2, 1 Mbps
- Operating Frequency Range:
  2.412 to 2.484 GHz
- Output Power: up to 16 dBm
- Supply Current:
  Transmit - 180 mA
  Receive - 100 mA

General

- Operating Temperature Range: -40 to +85 °C
- Relative Humidity: 5 to 95%, non-condensing

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