

Overview

Redpine Signals WiSeMCU™ Evks have an integrated ultra-low power Cortex-M4F, a comprehensive wireless sub-system, advanced security, a rich set of analog and digital peripherals as well as a power management system. The wireless subsystem provides dual band Wi-Fi (2.4/5 GHz, 802.11abgn 1x1), Bluetooth 4.1/5 connectivity. The integrated Cortex-M4F is dedicated to customer applications, has up to 4 MB flash and can operate up to 180 MHz. There is support for Kiel and IAR IDEs for customer applications.

Solution Highlights

- Efficient on-chip application processor based on ARM® Cortex®-M4F with up to 180 MHz performance, up to 4 MB dedicated flash
- Co-existence of multiple wireless protocols including 802.11a/b/g/n (2.4 GHz and 5 GHz), dual-mode Bluetooth 5
- Ultra-low power consumption with multiple power modes to reduce the system energy consumption
- Multiple levels of security including PUF (Physically Unclonable Function), Crypto HW accelerators, Secure Bootloader and Secure Zone to create a highly secure system
- Integrated networking and wireless stacks for ease of integration
- Leading edge RF performance providing long range and higher throughputs
- Unique peripherals like ULP sub-system, voice activity detection (VAD) and up to 8 capacitive touch sensor inputs

Evaluation Kit



Evaluation Kit Contents:

The RS14100 Evaluation Kit comes with the following components:

Hardware

- SDIO Adapter Cable
- SPI Cable
- 2 Micro A/B-type USB Cable
- RS14100 IO Base Board
- Wireless Daughter Card
- GPIO Header
- JTAG
- Debug Card

Software & Documentation

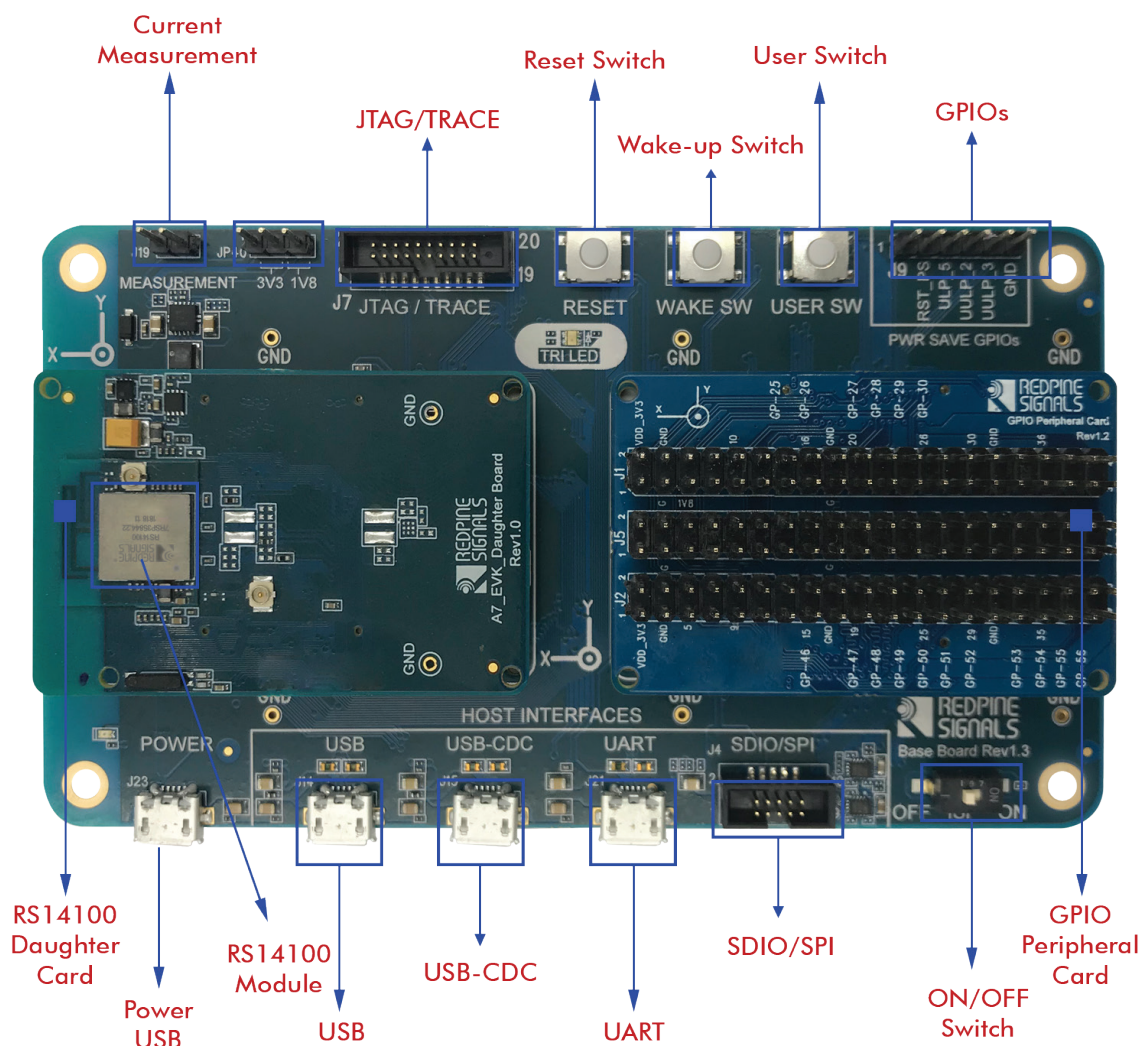
- Wireless Simple APIs (SAPI) based examples
- Demo examples for faster evaluation

Please login to
www.redpinesignals.com
Software & Documentation.

Ordering Information:

- Single band P/N: RS14100-SB-EVK1
- Dual band P/N: RS14100-DB-EVK1

Evaluation Board:



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