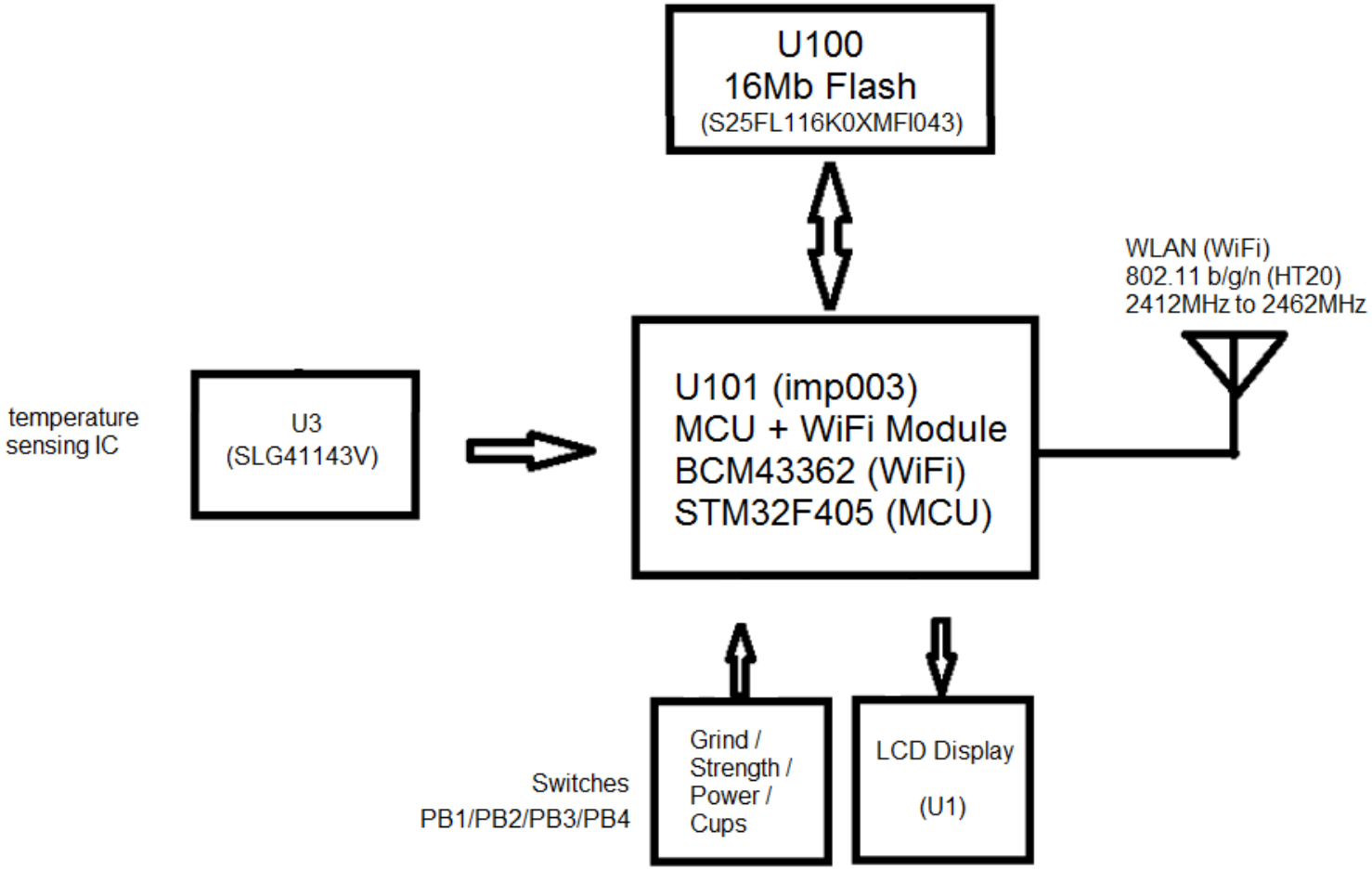
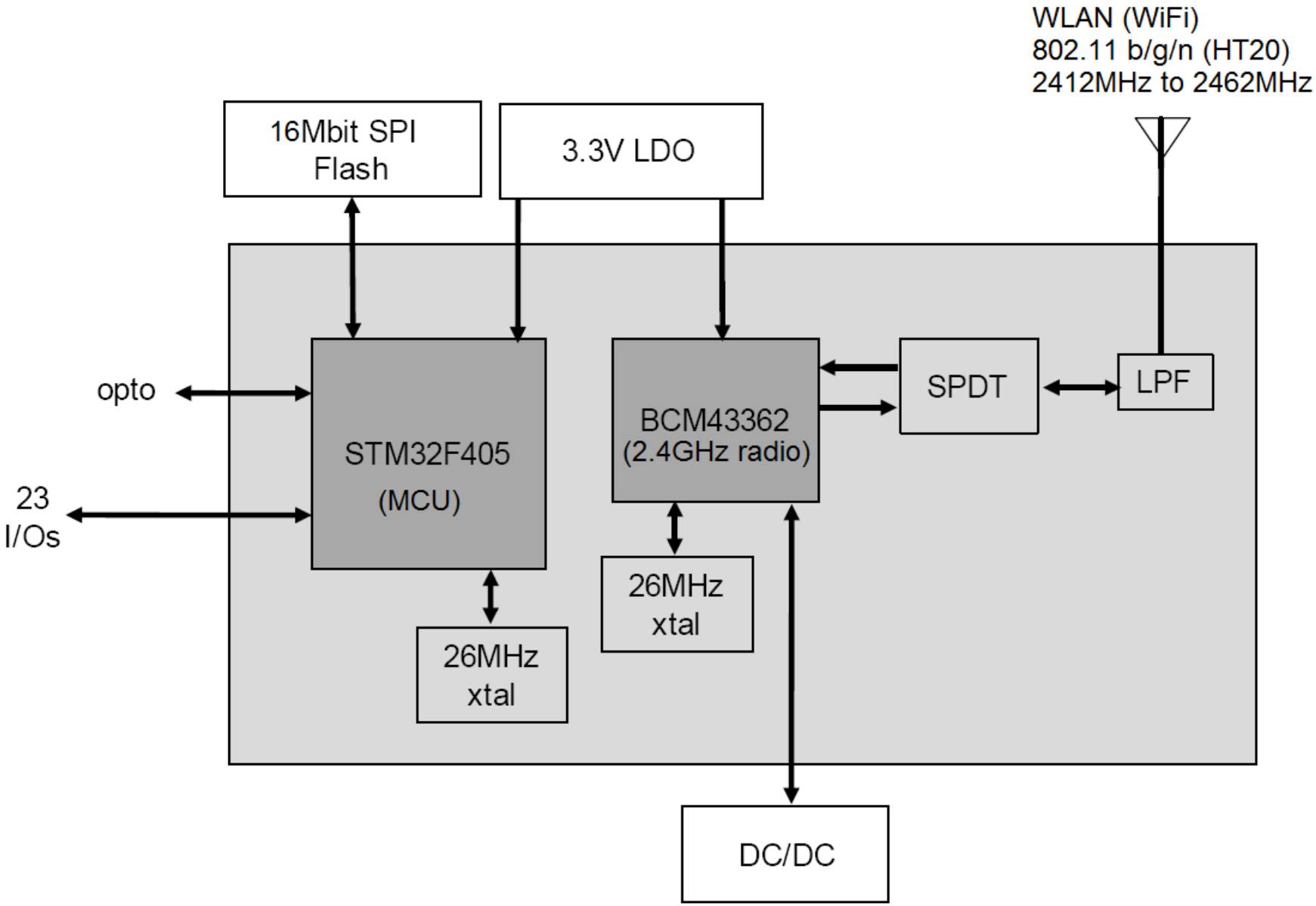


Block Diagram



imp003 WiFi + MCU Module **Block Diagram**

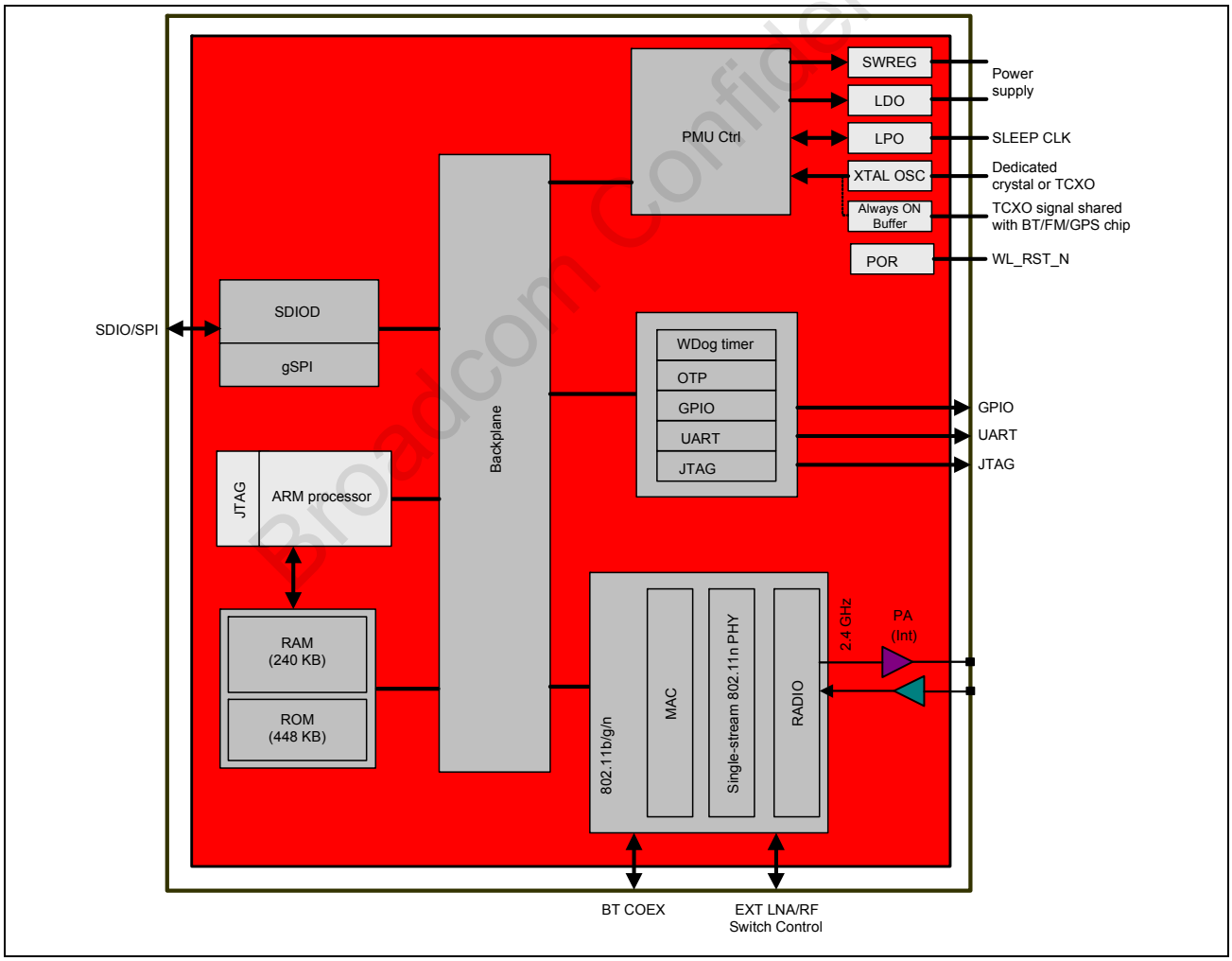
Section 1: Overview

Overview

The Broadcom® BCM43362 provides the highest level of integration for a mobile or handheld wireless system, with integrated IEEE 802.11 b/g/n. It provides a small form-factor solution with minimal external components to drive down cost for mass volumes and allows for handheld device flexibility in size, form, and function. The BCM43362 is designed to address the needs of highly mobile devices that require minimal power consumption and reliable operation.

Figure 2 shows the interconnect of all the major physical blocks in the BCM43362 and their associated external interfaces, which are described in greater detail in the following sections.

Figure 2: BCM43362 Block Diagram



Section 6: WLAN Radio Subsystem

The BCM43362 includes an integrated WLAN RF transceiver that has been optimized for use in 2.4 GHz Wireless LAN systems. It is designed to provide low power, low cost, and robust communications for applications operating in the globally available 2.4 GHz unlicensed ISM band. The transmit and receive sections include all on-chip filtering, mixing, and gain control functions. Improvements to the radio design include shared Tx/Rx baseband filters and high immunity to supply noise.

Figure 20: Radio Functional Block Diagram