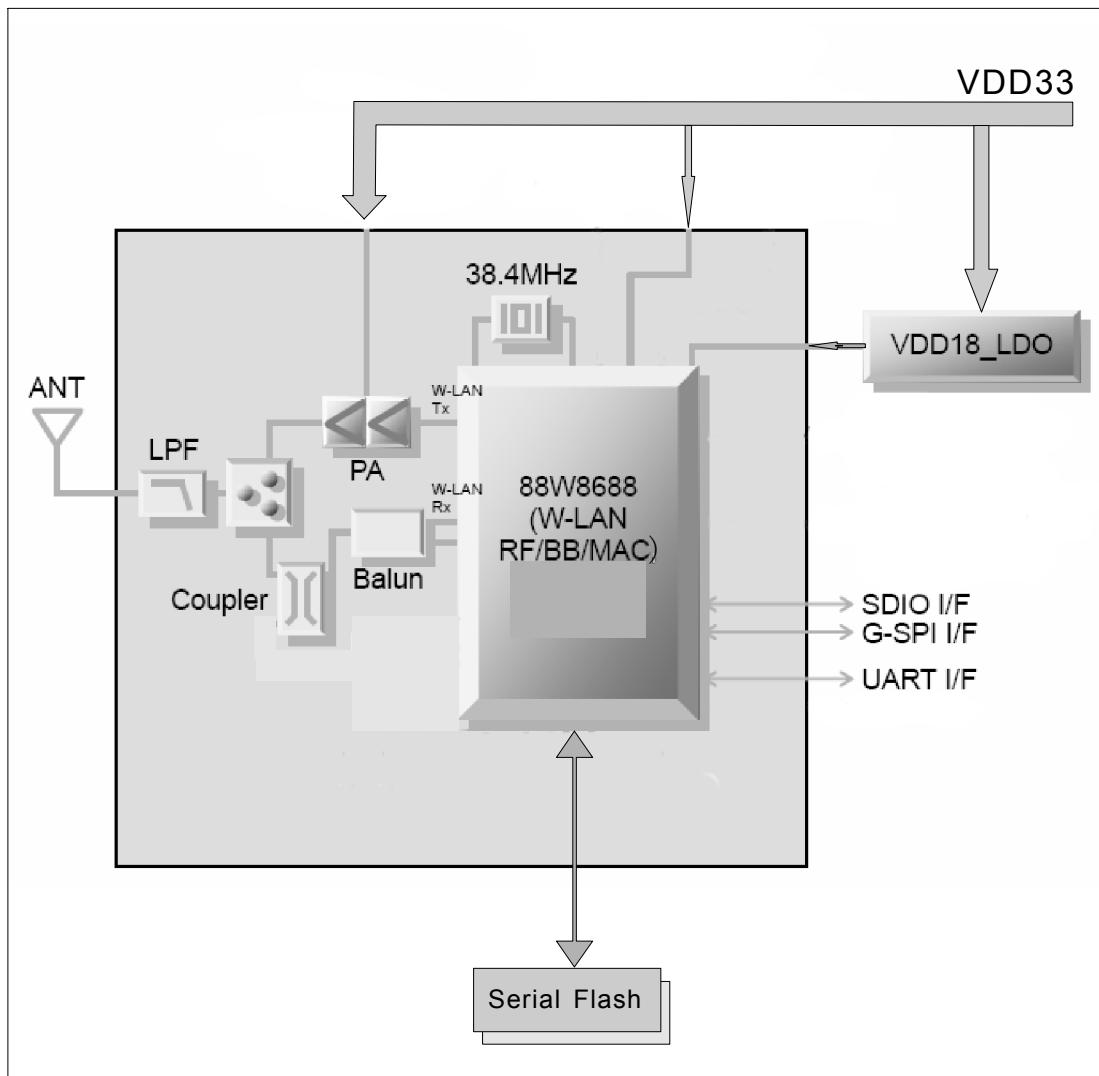


# Architecture Block Diagram



## Description

The LS8688 is a low-cost, low-power highly-integrated IEEE 802.11g/b AC/Baseband/RF WLAN system-on-Module, designed to support IEEE 802.11b or 802.11g .

The LS8688 is equipped with a fully integrated RF to baseband transceiver that operates in both the 2.4 GHz ISM radio band for 802.11g/b WLAN applications. It contains all the circuitry to support both transmit and receive operations.

The LS8688 uses a high-speed 38.4MHz oscillator to provide clock signals for the processors.

LS8688 has on-chip 1 Mbytes serial Flash for storing service configurations and user program, The WLAN CPU can access this Flash to perform firmware updates.

The LS8688 module is easily designed into embedded systems, the module supports a serial to Wi-Fi function and runs the full Wi-Fi and TCP/IP networking stacks, only use four lines (+3.3V, TX, RX, and GND) to create a wireless data connection, and appliances that will connect to the Internet. In applications such as healthcare and fitness, smart energy, industrial controls, commercial/building automation, and consumer electronics.