

MA-2000_Block Diagram

2402MHZ-2480MHZ

AC6965E

Ceramic antenna

matching network

Crystal
24MHZ

Crystal

I/O

PIO

UART

UART/USB

2.4GHz Radio + Balun

ROM

RAM

Baseband

MCU

Kalimba DSP

I/O

Amplifier

MIC

Amplifier

AUX_IN

Audio Out

Amplifier

CTRL

AMP
LTK5302

LC

Speaker

POWER

Battery
3.7V

Charge
4054

MicroUSB
5V_IN

EN

LEDS